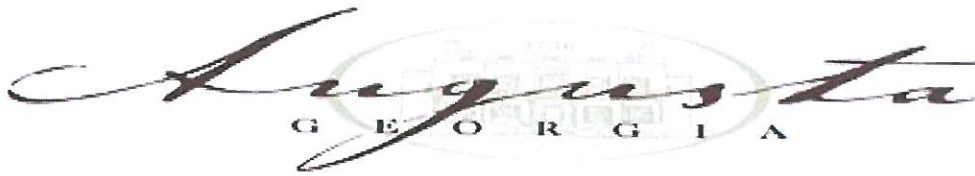




**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION
MANAGEMENT, CONSTRUCTION
INSPECTION, AND
FIELD ENGINEERING
PROFESSIONAL SERVICES**

PROJECT NO: 328-041110-211828005

Augusta, GA Engineering Department
Engineering Division
POC: Hameed Malik, Ph.D., PE, Assistant Director
~AMEC~



ON-CALL CONSTRUCTION MANAGEMENT, CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES

PROJECT NUMBER: 328-041110-211828005

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Augusta, GA Engineering Department

REQUEST FOR PROPOSAL

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005

REQUEST FOR PROPOSAL

Request for Proposals will be received at this office until Friday, August 30, 2013 @ 11:00 a.m. for furnishing:

RFP Item #13-184 On-Call Construction Management, Construction Inspection & Field Engineering Services for Engineering Department

RFPs will be received by: The Augusta Commission hereinafter referred to as the OWNER at the offices of:

Gerri A. Sams, Director
Augusta Procurement Department
530 Greene Street - Room 605
Augusta, Georgia 30901

RFP documents may be viewed on the Augusta Georgia web site under the Procurement Department **ARCbid**. RFP documents may be obtained at the office of the Augusta, GA Procurement Department, 530 Greene Street – Room 605, Augusta, GA 30901.

All questions must be submitted in writing by fax to 706 821-2811 or by email to procbidandcontract@augustaga.gov to the office of the Procurement Department by Friday, August 16, 2013 @ 5:00 P.M. No RFP will be accepted by fax, all must be received by mail or hand delivered.

No RFP may be withdrawn for a period of **90** days after time has been called on the date of opening.

Request for proposals (RFP) and specifications. An RFP shall be issued by the Procurement Office and shall include specifications prepared in accordance with Article 4 (Product Specifications), and all contractual terms and conditions, applicable to the procurement. **All specific requirements contained in the invitation to bid including, but not limited to, the number of copies needed, the timing of the submission, the required financial data, and any other requirements designated by the Procurement Department are considered material conditions of the bid which are not waiveable or modifiable by the Procurement Director.** All requests to waive or modify any such material condition shall be submitted through the Procurement Director to the appropriate committee of the Augusta, Georgia Commission for approval by the Augusta, Georgia Commission. Please mark RFP number on the outside of the envelope.

Proponents are cautioned that acquisition of RFP documents through any source other than the office of the Procurement Department is not advisable. Acquisition of RFP documents from unauthorized sources places the proponent at the risk of receiving incomplete or inaccurate information upon which to base his qualifications.

GERI A. SAMS, Procurement Director

Publish:

Augusta Chronicle July 25, August 1, 8, 15, 2013
Metro Courier July 31, 2013

cc: Tameka Allen Deputy Administrator
 Bill Shanahan Deputy Administrator
 Abie Ladson Engineering
 Hameed Malik Engineering

Revised: 8/15/2011

Augusta, GA Engineering Department

SCOPE OF SERVICES

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005

**ON CALL CONSTRUCTION MANAGEMENT, CONSTRUCTION
INSPECTION AND FIELD ENGINEERING PROFESSIONAL SERVICES
PROJECT NUMBER: 328-041110-211828005**

SCOPE OF SERVICES

I. PROBLEM STATEMENT:

The Engineering Department is currently requesting professional services that include Construction Management, Construction Inspection, and Field Engineering Services. Several of SPLOST and TIA projects are scheduled to being let for construction during the fourth quarter of 2012 and first quarter of 2013. The number will continue to increase throughout 2013 and 2014. The following projects are currently under construction or will be under construction in 2013:

1. Marvin Griffin Road Widening and Drainage Improvements
2. East Augusta Drainage Phase II - Aiken Channel Improvement
3. Belair Road Drainage and Intersections Improvements
4. Mark Church Road Widening and Improvements
5. Various Bridges Repair and Restorations
6. Druid Park Improvements
7. Dirt Roads Paving
8. Old Savannah Road / Twiggs Street Improvements
9. Dover/Lyman Drainage & Street Improvements
10. TIA Resurfacing

II. SERVICES TO BE RENDERED:

This contract will be in place for two years with an option to renew for three (3) additional years on a year to year basis. The Engineering Department expects the following services to be rendered, but not limited to the following.

1. Interpret and enforce Augusta, Georgia construction standard & specifications and Georgia Department of Transportation construction standard & specifications on projects.
2. Document in detail daily construction activities.
3. Perform field engineering designs and make field adjustments.
4. Conduct field surveys.
5. Conduct Project Team meetings.
6. Measure and estimate material put in place by Contractors.
7. Enforce all Federal and State regulations (e .g . EPD, EPA, NPDES, GDOT, etc.)
8. Construction Observation
9. Pay application Review and Change in Scope & Associated Cost Proposal Review
10. Project Scheduling Review
11. Schedule Tracking and Cost Tracking

Augusta, GA Engineering Department

CONTRACTOR'S PROPOSAL

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005



August 28, 2013

Augusta/Richmond County
Attention: Geri A. Sams
Procurement Department
530 Greene Street, Room 605
Augusta, Georgia 30901

Re: Request for Proposal to provide On-Call Construction Management, Construction Inspection and Field Engineering Services (RFP #13-184)

Dear Ms. Sams,

AMEC Environment & Infrastructure, Inc. (AMEC, or AMEC Environment & Infrastructure, Inc.) has assembled a strong, experienced, and knowledgeable team to successfully execute the services required in the above-referenced Request for Proposal. The team includes W.R. Toole Engineers (Toole) and OLH Inc. (OLH), a qualified Disadvantaged Business Enterprise (DBE) (the Team). The Team will be led by **Mike Thomas, PE**, and **Gus Cooper**, and has the ability to supply experienced construction professionals. All three firms are experienced in administering and delivering construction projects in accordance with GDOT's practices, policies, and procedures.

Gus Cooper, Liaison Project Manager, will execute, be proactively involved in, and serve as the primary point of contact for all aspects of the Augusta Richmond County TIA/SPLOST Construction Management/Inspection program. He will be responsible for assigning, managing, and supervising all inspectors and subconsultants. Additionally, Gus will consistently communicate with Augusta Richmond County's Engineering Department concerning the budgeting, resource allocation, scheduling, coordination, and status of this program.

Mike Thomas, Principal-in-Charge, will support Gus by performing overall supervision and quality assurance for the project. Together, Gus and Mike's similar background in GDOT construction, their longstanding working relationship, and their genuine personal interest in the success of the construction program in District Two will give GDOT the confidence that the AMEC Team will deliver high-quality CEI services.

Unique Qualifications of the AMEC Team

Unbeatable CEI Experience and Expertise. Together, AMEC and its subcontractors, Toole and OLH, have an unsurpassed 100+ years of combined experience in the CEI industry. They each have experience working cooperatively with GDOT and Local Government managers to deliver high-quality, professional construction-related services.

Thorough familiarity and understanding of GDOT Construction Policies and Procedures. The managers involved with the CEI project have unprecedented personal GDOT construction experience at the Project, Area, District, and State levels.

This eliminates the need for a learning curve, allowing our Team to deliver the best quality service possible from day one. Our Team possesses the ability, resources, and dedication to support the execution of this contract.

Strong Liaison Project Manager. Having spent 25 years of his 33 year career serving in GDOT management roles in the District that includes Augusta/Richmond County, Gus Cooper is familiar with the State, Federal, and Interstate routes within this area. Because of this, a strong mutual relationship of trust and teamwork exists that will offer a unique opportunity for excellent coordination and communication beginning on the first day of this contract. There will be no time needed to "get to know each other". Gus's GDOT career has supplied the experience to effectively select and assign the right inspector to the right project at the right time.

A unique advantage of this team is that it has collectively executed GDOT contracts successfully that involve all phases of the transportation project development process including concept development, environmental studies, design, design review, value engineering, utility coordination, materials testing (RTT), and construction engineering. This comprehensive experience gives the AMEC Team a full understanding of the effort that it takes to move a project to the construction phase and how all of these activities come together during construction.



Thank you for the opportunity to present our qualifications. Review of this qualifications package will demonstrate evidence of our Team's superior capabilities in Construction Management, Construction Inspection & Field Engineering Services, as specified in Augusta/Richmond County's RFP #13-184.

Please do not hesitate to contact Mike at (478) 733.4739 if you have questions regarding this Statement of Qualifications. Our Team looks forward to providing quality results within the Augusta Richmond County area.

Respectfully submitted,
AMEC Environment & Infrastructure, Inc.

A handwritten signature in blue ink, appearing to read "Gus Cooper".

Gus Cooper
Liaison Project Manager

A handwritten signature in blue ink, appearing to read "Mike Thomas".

Mike Thomas, PE
Principal in Charge

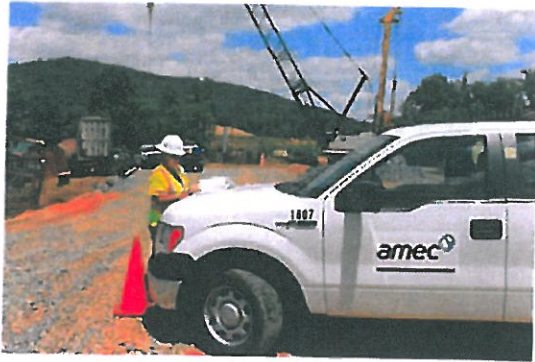


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1. Company Overview



AMEC Environment & Infrastructure, Inc. (AMEC) has partnered with W.R. Toole Engineering and OLH, Inc. to provide Augusta with the construction management, construction inspection, and field engineering expertise needed to provide services for projects currently under construction or that will be under construction in 2013-2014. Together, all three firms have a rich history of successfully executing Construction Management, Construction Engineering Inspection (CEI), and Field Engineering services. Collectively, the AMEC Team has more than 20 years combined CEI and project management

experience in Georgia, and has an unsurpassed 100+ years of combined experience in the CEI industry. With the selection of the AMEC Team, there is absolutely no learning curve to overcome, and no disruption to the City's workflow.

AMEC has delivered integrated, cost-effective design, engineering, and construction services in Georgia for more than 60 years. AMEC is ranked #7 in the *Engineering News Report* ranking of Top 500 Design Firms. Almost 7,000 of our 29,000 employees work in the United States. AMEC has a strong presence in Georgia with approximately 400 technical professionals in offices throughout the state including Kennesaw, Tucker, and Alpharetta. In fact, our AMEC Environment & Infrastructure, Inc. headquarters is located in Alpharetta, Georgia, providing us quick access to senior company leadership. We pride ourselves in meeting the highest of expectations, as evidenced by our volume of repeat business—approximately 80 percent of the revenues for Georgia last year were attributed to repeat customers. AMEC is a financially sound company averaging over \$577 million over the last five years.

AMEC professionals have supported hundreds of Georgia clients from offices within Georgia for more than 60 years and they are thoroughly familiar with the codes and regulations specific to Georgia. Many of them are long-term employees who have lived and worked in the Augusta area for decades. AMEC professionals share the core values of passion, dedication, and commitment that have become the signature for our professional service.

The AMEC Team has worked with many Georgia counties and cities that rely on our experts to deliver the final product on schedule and within approved budgets. Our expertise and relevant experience in various planning, infrastructure and development projects, in both design and construction, allow our clients to meet their goals and schedules successfully. Our Team manages projects that meet our clients' needs and reduce impacts on adjacent properties and the environment.

Our Subconsultants

As part of the AMEC Team, we have asked W.R. Toole Engineering and OLH, Inc. (both Augusta-based small businesses) to join as subconsultants.



Founded in 1984, **W. R. Toole Engineers, Inc. (WRTE)** provides a wide variety of planning, consulting, engineering, management, and inspection services. Primary clients include public agencies and local and state governments. The staff at Toole Engineers consists of highly motivated and competent professionals trained in the various areas of project development and management, construction engineering inspection, transportation design, and site development. With over 25 years of local experience, the professional staff of **W. R. Toole Engineers, Inc.** have established a reputation of providing quality service. From concept development to project close-out documentation, Toole Engineers is dedicated to delivering a successful project to the local



community. With each new project, Toole Engineers continuously strives to provide cost effective and timely project development.



OLH, Inc. is a local Augusta, Georgia WBE/DBE firm that has maintained an office in the area since 2005. OLH has provided CEI staff to GDOT District 2 from 2008 until 2012. The construction inspection engineering staff provide a full range of services for effective contract administration and project documentation and are familiar with several inspection and quality assurance information management systems (such as SiteManager). Contractor progress and payment requests are thoroughly reviewed. Procedures are established to insure that diaries, test reports, measurements, calculations, certifications, and project correspondence files are all generated in a timely, consistent, and thorough manner. Tracking of material approvals, shop drawings and change-order requests is always emphasized. The field staff provide photographs and video documentation of construction when needed.

How We Work...

AMEC focuses on clients, a commitment to quality, and a dedication to safe work practices, as evidenced by our **client testimonials of high-quality and timely services**. We draw on our experienced personnel to support the needs of clients, regardless of project size, location, and complexity. Our project staff members have dedicated their careers to serving local governments and assisting them with their unique issues as they plan and execute successful, equitable and effective management programs.

Our focus on clients begins with a successful working relationship with Augusta that is built on communication, cooperation, trust, and respect. **Gus Cooper**, the assigned **Liaison Project Manager**, will be responsible for the day-to-day communications with Augusta Engineering Department. He will coordinate closely with **Mike Thomas** and Augusta will receive the benefit of having both these talented individuals on the team.

Quality is the hallmark of AMEC. It is our intent that quality, as a state of mind and characteristic of our work, permeates everything we do. Mike and Gus will work with the AMEC Team staff to produce high-quality work for Augusta. AMEC's formal quality program, first developed in 1975, is fully documented and continually enhanced to include the latest methods for monitoring and improving the delivery and quality of our services.

AMEC also has a formal Health, Safety, and Environment (HSE) program to ensure a safe and healthful working environment for all employees, subcontractors, and the public. All employees receive ongoing safety training to minimize work-related injuries and illnesses. In addition to providing a safe and healthy working environment, our safety program extends into the communities in which we live and work. Augusta will know that any field activities performed under this contract will follow safe work practices.

While many firms speak of their quality, HSE, and client satisfaction programs, AMEC's high volume of repeat customers in Georgia is evidence that our attention to these details is appreciated by our clients.

Cartersville District 6, Southwest Rome Bypass





The advantages to the Augusta Engineering Department for selecting the AMEC Team are:

- **Thorough Familiarity and Understanding of GDOT Construction.** As a group, the managers involved with this project collectively have unprecedented personal experience in GDOT construction work. We have the ability, resources, and the dedication to fully support the execution of this contract.
- **Strong Management Team-Gus Cooper and Mike Thomas.** Gus Cooper, our Liaison Project Manager, has an excellent background for managing this project on a daily basis. With his prior GDOT experience as the Area Engineer for the Augusta area, Gus is intimately familiar with the local transportation system, as well as successfully managing a construction staff to deliver high quality transportation projects on time and within budget. His technical knowledge of highway and bridge construction is excellent. Gus will work harmoniously with Augusta staff throughout the administration of this contract.

Mike Thomas, our Principal-in-Charge, provides the perfect complement to our management team for this project. In supporting Gus, Mike brings a wealth of experience gained during his career at GDOT, where he served in the roles of District Construction Engineer and District Engineer, both within the Tennille District, as well as Director of Local Grants and Field Services, with statewide responsibilities.

- **Quality Control/Quality Assurance Procedures.**

- **Quality Control.** We understand that quality control (QC) is essentially what this contract is all about: inspecting contractors' work for compliance with contract documents is quality control. For this CEI contract, quality is ultimately judged by the performance of our individual inspectors. The AMEC Team Liaison Project Manager, Gus, bears direct responsibility for quality control on this contract. Gus will actively monitor the performance of the Team's inspectors. He will do this by routinely visiting all construction sites where our inspectors are assigned, to verify that their performance meets AMEC's and Augusta's high standards. Using his vast construction experience, he will observe portions of the contractors' work that his inspectors have monitored to evaluate the quality of the results himself. Gus will also review project records and reports prepared by his inspectors for accuracy and completeness.



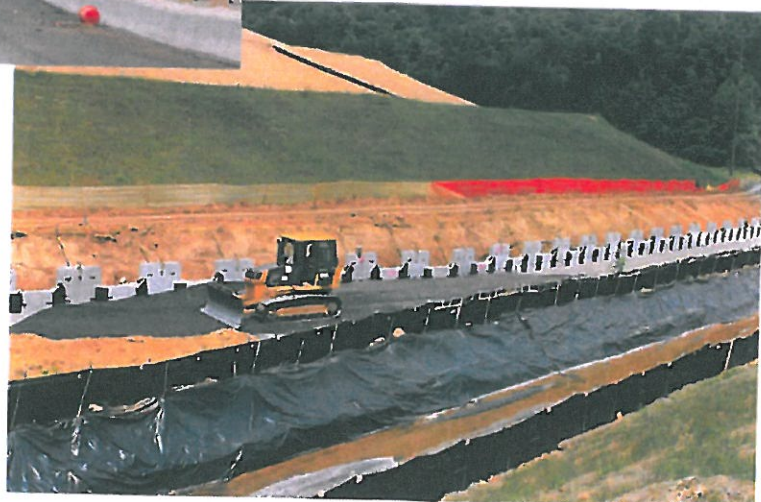
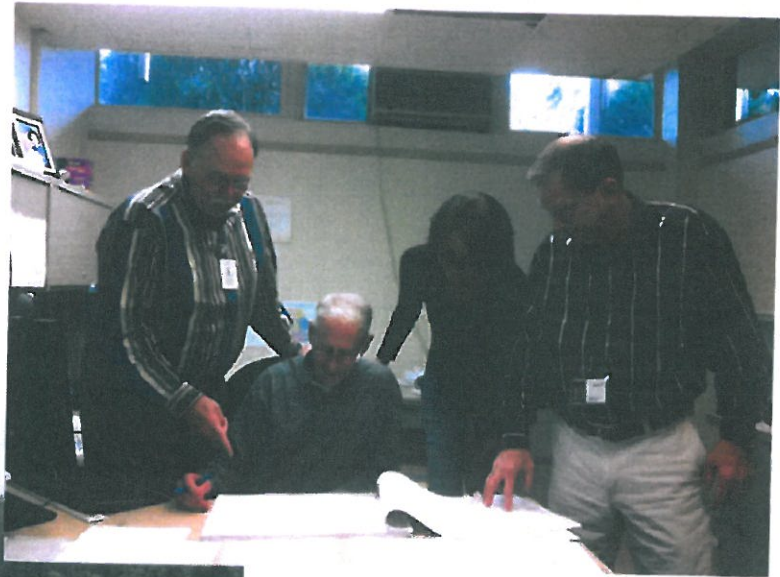
Gus will also meet regularly with the appropriate Augusta staff to discuss and receive feedback on our performance. Throughout this effort, he will seek out any performance issues and apply the appropriate measures for correction.

Throughout the QC process, Gus will identify specific training needs for our inspectors, as well as perform the role of mentor to any inspectors who need training in a particular aspect of construction.

- **Quality Assurance.** Contract quality assurance, or verification, is an independent check to ensure that all applicable QC procedures have been applied to each task. For quality verification to be effective, it must be independent of the day-to-day activities of the project. To meet this goal, Mike will also meet with the Augusta staff periodically to discuss the performance of the AMEC Team. If concerns are raised, Mike will then meet with the Liaison Project Manager, Gus, and make necessary changes. Mike will also randomly meet with the inspectors working for the AMEC Team to observe and review their performance. If problems are noted, action will be taken immediately to correct the situation.



- **CEI Project Experience.** AMEC has been repeatedly chosen by GDOT to provide construction engineering and inspection services for their transportation projects. This demonstrates the high level of trust that GDOT places in AMEC's ability to produce quality projects on time and within budget. AMEC has won the Cartersville Districtwide CEI contract for the past six consecutive years. We have also won the Tennille Districtwide CEI contract, and are supplying CEI services to GDOT in the Jesup and Thomaston Districts. In summary, we are performing this work in four of the seven GDOT districts throughout Georgia. This success is attributed to the quality of AMEC's CEI program, which is managed by Mike, and our ability to supply a highly qualified staff of inspectors.

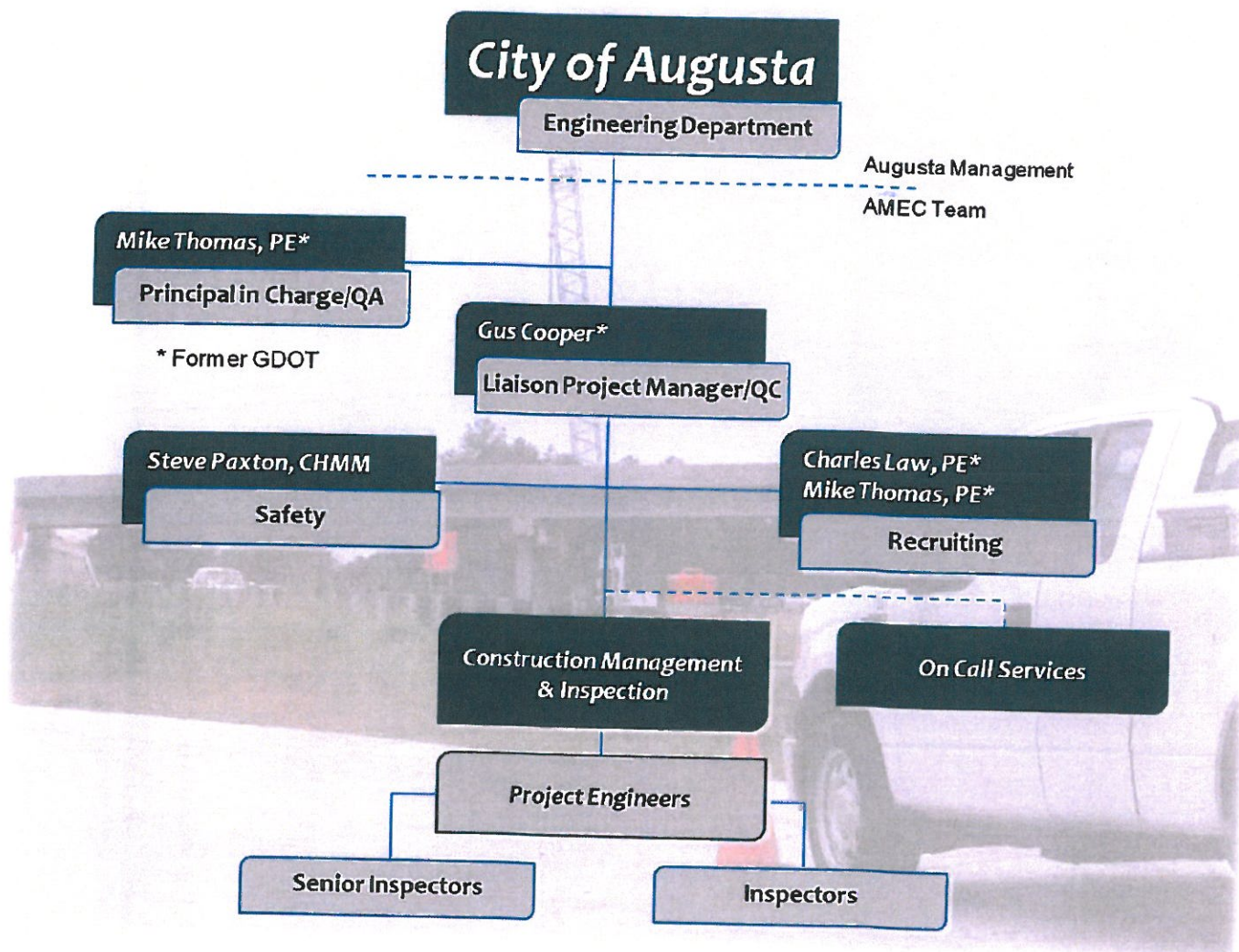




2. AMEC's Project Team and Their Success with Similar Projects

The Augusta Engineering Department is seeking the services of a multi-disciplined team to provide construction management, construction engineering inspection (CEI), and field engineering services; therefore, AMEC has assembled a team of experienced professionals who have the technical expertise to meet the City's needs. **Our team is experienced in construction management, construction engineering inspection (CEI), and field engineering.** Since our key team members would be working closely with Augusta Engineering Department, we have carefully selected personnel to best match the City's needs.

The organization chart below highlights our team members. Abbreviated résumés for our key personnel follow the organization chart. We selected our key personnel based on our understanding of the RFQ requirements and on their experience and education. The résumés indicate each person's area of expertise relevant to construction management and engineering inspection services, relevant projects, and their years of experience in their respective fields.





Our model of emphasizing technical excellence with personal service has been the cornerstone of our success. Within the Atlanta area, AMEC employs more than 400 technical personnel who will be called upon as needed to support the core team shown above. In addition, we have the **local resources of W.R. Toole Engineering and OLH, Inc.** (a WBE/DBE firm) to support field services and bring a strong understanding of local infrastructure and construction inspection practices.

Mike Thomas, PE, manages AMEC's CEI program in Georgia, and will serve as Principal-in-Charge for this project. In this role, Mike will work closely with Gus Cooper, our Liaison Project Manager, to make sure that the same high standard of performance that has been developed for our CEI program statewide is incorporated into the Augusta project. Mike retired from GDOT as the Director of the Division of Local Grants and Field Services, with 28 years of service he offers a wealth of experience. Mike spent 24 of those years directly supervising GDOT field personnel and administering construction contracts and is very familiar with GDOT construction and CEI policies and procedures. As a result, he brings a wealth of experience and problem-solving skills to this effort.

Mike spent 16 years, over half of his career, in the GDOT Tennille District area, so he knows the Augusta/Richmond area inside and out. He is well-known throughout the Augusta area and the transportation field throughout Georgia and will work together with the construction staff at all levels.

Mike will proactively troubleshoot for any potential problems, instead of relying upon the City to point them out. His background and experience, and his attention to detail, make him highly suited for the quality assurance role on this project.

Gus will be serving as the Liaison Project Manager, working harmoniously with the City of Augusta's staff to ensure that the project is executed efficiently and effectively. He will coordinate and supervise all project activities and respond immediately to the needs of the City. He will make routine job site visits and manage all subconsultants on this contract. He will also be in continuous contact with our inspectors and review their performance to determine when additional training or guidance is needed. He will report directly to the City's Engineering Department and meet with the staff on a regular basis to provide up-to-date status on all projects. Gus' valuable experience in construction, as well as excellent supervisory and management skills gained when he was GDOT's Area Engineer for the Augusta area, make him perfectly suited for this job.





■ Mike Thomas, PE Principal in Charge

Professional Summary

As AMEC's Georgia Senior Transportation Engineer, Mike has spent his entire career in the transportation industry. Prior to joining AMEC in 2011, Mike garnered over 29 years of experience with the GDOT, where he retired as the GDOT Director of Local Grants and Field Services. In that capacity, he was responsible for supervision of the activities of all Field Districts, the Office of Equipment Management, and the Office of Local Maintenance and Improvement Grants. Mike has a complete understanding of the complex coordination process that is required to transition a project from the concept/design phase to a functioning transportation facility. *The value of having Mike as a member of the Team is his knowledge and his trust reflected in his representative project experience demonstrated below. Mike currently serves as the Project Liaison Manager for the GDOT District 2 Construction Engineering and Inspection (CE&I) Contract.* In this role, he manages the assigned inspectors assuring that all are properly trained and equipped to perform inspection on GDOT projects and monitors the project budget to manage available funding.

Years of Relevant Experience: 30

Education:

B.C.E., Georgia Institute of Technology, 1983

Registrations/Certifications:

Professional Engineer: GA #18170

GSWCC Erosion/Sedimentation Course, Level IA #10267

Worksite Erosion Control Supervisor Certification #16636

Mike retired with 29 years of GDOT experience. Prior to retiring from GDOT's General Office as Director of Local Grants and Field Services, Mike directed and supervised seven District Engineers and their associated staff members statewide. In this role, he also directed and supervised the Office of Local Maintenance and Improvement Grants (LMIG) and Office of Equipment Management. While in the General Office, Mike previously served as Director of Planning, Data, and Intermodal Development supervising appropriate staff to facilitate statewide planning activities, preparation of reports necessary to support Georgia's Federal Fund allocations and coordination of Rail, Transit, Port and Aviation activities.

During the 16 years Mike worked in GDOT's District 2, he served 10 years as District Engineer in responsible charge of all GDOT activities in 28 middle Georgia counties. Both as District Engineer and in his previous roles (District Construction Engineer, District Maintenance Engineer and Assistant District Engineer), Mike worked cooperatively with local/state elected officials, construction contractors and utility owners to plan, coordinate and implement projects to enhance Georgia's Transportation System. Many of the widening and reconstruction projects were located on the GRIP corridors including Fall Line Freeway, Savannah River Parkway, U.S. 1, U.S. 441 and U.S. 17.

Mike also served as Project Engineer for two projects located on the Corridor Z/South Georgia Parkway GRIP corridor. He subsequently served as Area Engineer responsible for all construction activities in a four county area in GDOT's District 5. Construction projects completed during that time included numerous widening and reconstruction projects associated with the Golden Isles Parkway and U.S. 1 GRIP corridors.

REPRESENTATIVE PROJECTS

- **Project Liaison Manager: Georgia Department of Transportation - District 2, Construction Engineering and Inspection (CEI) Services 2012-Present.** Mike serves as the Project Liaison Manager for the GDOT District 2 CEI services for variety of road, highway and bridge projects in 28 counties over three-year period. In this role, Mike manages and assigns inspectors to projects, assuring that all are properly trained, equipped and have necessary certifications to perform inspection on GDOT construction projects. He also closely monitors the project budget and makes appropriate adjustments to efficiently use available funding. He assists GDOT with investigating issues that arise on projects, gathering and analyzing data to develop recommendation solutions. Mike performs routine construction project inspections to monitor quality of service to GDOT and to ensure that interests of both GDOT and AMEC are protected. He mentors managers and field engineering technicians to assist in their development to better serve client needs and to constantly improve AMEC service. Mike provides front line quality control of AMEC services for scope, schedule, budget, safety and client satisfaction.



■ Jack 'Gus' Cooper Project Manager

Professional Summary

Gus currently serves as a Senior Inspector for AMEC on the GDOT District Two (Tennille) Construction Engineering and Inspection (CEI) contract. He is presently assigned to the Wrightsboro Road project in Augusta, with the responsibility of inspecting all grading and paving operations.

Gus retired from GDOT with 30 years of experience. He spent his entire career in GDOT's District 2 (Tennille) where he retired as the District Utilities Engineer, where he was responsible for managing the utility preconstruction activities on proposed construction projects in 28 counties. During his career, he has held various positions in four of the six Departments in the District. This has enabled Gus to have the experience and knowledge of the entire preconstruction/construction process.

During his career with GDOT, Gus served as Area Engineer in three of the seven areas within District 2 which included the Augusta Area. He supervised over 25 engineers and inspectors in the Augusta Office. Gus was responsible for all construction projects within the Augusta area to ensure compliance with all specifications, permits, laws, policies and regulations. Some of the more notable and complex projects were the I-20 Rehabilitation, I-520/SR 56 Interchange, SR 4/Tobacco Rd. Interchange and SR 28/Fury's Ferry Rd Widening.

Prior to becoming an Area Engineer, Gus served as a Project Engineer on various projects in District 2 which included the widening of US 1 in Swainsboro, the Bridge Replacement on SR 17 in Jenkins County, the Millen Bypass and the Sylvania Bypass.

Years of Relevant Experience: 33

Education:

BSCET, Southern Polytechnic State University, 1979

Registrations/Certifications:

Worksite Erosion Control
Supervisor Certification #16363
GSWCC Erosion/Sedimentation
Course, Level 1A #0000067587
Field Concrete Technician
Certification #051342855

REPRESENTATIVE PROJECTS

- State Route 4 widening and reconstruction in Jefferson County - \$30,931,431.62
- State Route 88 widening and reconstruction in Jefferson County - \$5,382,963.93
- I-20 rehabilitation in Columbia County - \$946,135.07
- State Route 4 widening (5 Lane) in Emanuel County - \$1,957,912.70
- Construction of 3 bridge culverts on State Route 26 in Emanuel County - \$870,289.45
- State Route 26/State Route 57 intersection improvement in Emanuel County - \$779,961.27
- State Route 4/Modoc Rd. intersection improvement in Emanuel County - \$731,880.39
- State Route 17 bridge construction at Buckhead Creek in Jenkins County - \$1,203,449.00
- Construction of 2 bridges on State Route 17 in Jenkins County - \$1,042,181.07
- Construction of the Millen Bypass (new alignment) in Jenkins County - \$4,226,146.56
- Construction of the Sylvania Bypass in Screven County - \$3,809,562.80
- I-20 rehabilitation in Richmond County - \$11,813,897.42
- State Route 4/Tobacco Road intersection in Richmond County - \$12,630,600.22
- State Route 28/Fury's Ferry Road widening in Columbia County - \$10,705,714.85
- I-520 (Bobby Jones Expressway)/State Route 56 Interchange- \$22,356,182.90
- State Route 104/Baston Rd. Widening - \$6,276,126.47



■ Charles Law, PE Recruiting

Professional Summary

Charles has spent his entire career in the transportation industry. He currently works with AMEC's CEI program in Georgia, assisting Mike Thomas with quality assurance and recruiting.

Charles has over 31 years of experience with the GDOT, where he retired as Director of Operations. In that capacity, he was responsible for, and supervised the work of, the offices of Maintenance, Traffic Safety and Design, Utilities, and Traffic Operations. He was responsible for the operation and maintenance of the entire Interstate and State Route System in Georgia.

Charles was District Engineer for the Cartersville District for approximately eight years. During that time, he was responsible for all Georgia DOT activities in the 17 counties of northwest Georgia. He supervised approximately 500 employees in the offices of Preconstruction, Construction, Maintenance, Traffic Operations, Utilities, and Administration. He worked closely with the local governments within the Cartersville District to assist them with their local transportation programs.

For approximately seven years prior to his promotion to District Engineer, Charles served as the District Construction Engineer for the Cartersville District, where he was responsible for the districtwide highway and bridge construction program. In that capacity, he oversaw 62 miles of widening on I-75 from Bartow County to the Tennessee state line. Other notable construction projects completed during his tenure as District Construction Engineer include the North Dalton Bypass, State Route Two Extension, Buchanan Bypass, Cedartown Bypass, Shorter Avenue widening, North Rome Bypass, Dallas Bypass, numerous projects on US 27, a GRIP corridor, and the completion of I-575 and the Appalachian Developmental Highway. One of Charles' duties as Construction Engineer was to evaluate staffing needs for upcoming projects and adequately staff the active construction projects with competent inspectors; monitoring their level of skill and proficiency, both in technical ability and project recordkeeping and documentation. Immediately prior to serving as the Cartersville District Construction Engineer, Charles was the Jesup District Traffic Engineer for five years. This experience heightened his appreciation for, and understanding of the need for, the proper traffic control and safe work environment that is necessary on all construction projects. ***The special value of having Charles is his knowledge of GDOT construction practices and procedures, and his vast network of contacts within the construction industry throughout Georgia. This gives him the ability to identify and recruit highly qualified construction management and inspection staff for the Augusta contract.***

Years of Relevant Experience: 37

Education:

B.C.E., Georgia Institute of
Technology, 1974

Registrations/Certifications:

Professional Engineer: GA #15288



■ Paul White Senior Bridge Inspector

Professional Summary

Paul has over 43 years of experience in roadway and bridge construction beginning with his time working with construction materials testing laboratories and subsequently serving as a senior bridge and highway construction inspector in Georgia, South Carolina and North Carolina. Paul has managed and inspected bridge projects and major widening projects like the I-20/I-520 project in Augusta, and the US One bridge rehabilitation project. Paul has extensive knowledge of GDOT's erosion control requirements, and holds a GSWCC Level 1-B certification.

REPRESENTATIVE PROJECTS

- **Bridge Construction Inspector (Augusta Area).** Assigned as senior bridge inspector on the \$200 million I-20/I-520 project, Augusta, GA, as a consultant for the Georgia Department of Transportation. Recently completed duties as construction inspector for replacement of bridges over the Savannah River, Broad St., Ellis St., Greene St., Telfair St., and the Davis Rd. Bridge over I-20 in Augusta, GA. I was responsible for inspection of pile driving, reinforcing steel, formwork, concrete placement, erosion and traffic control, and quantity measurements.
- **Senior Engineering Inspector (Augusta Area).** Performed duties as senior inspector responsible for inspection and quality control of soils, concrete, structural steel and rebar, fireproofing, and augercast piling. Projects I was involved in included the Women's Medical Center at University Hospital, Augusta State University Science Building, and the Monsanto Peachtree project. I was instrumental in obtaining Corps of Engineers certification for the laboratory.
- **Senior Engineering Inspector (Augusta Area).** Performed duties as a senior inspector for major construction projects including the Children's Medical Center at Medical College of Georgia, and augercast piling for the Richmond County Jail.
- **Senior Engineering Inspector (Augusta Area).** Performed duties as an engineering inspector on major construction projects including Port Royal, Proctor and Gamble, Medical College of Georgia, federal Paperboard, G.D. Searle, and Augusta Chronicle expansion. Implemented and maintained civil quality control program at the Cross Generating Station in Cross, SC during generator unit construction. Performed tests of soil and concrete materials provided documentation, and instrument calibration. Instrumental in obtaining Corps of Engineers certification for the Augusta laboratory.
- **Senior Bridge Inspector.** Supervisor of bridge construction inspectors for projects in Charlotte, NC. Prior to that, I was assigned to the Catawba River Bridge project southeast of Rock Hill, S.C. Responsible for inspection of workmanship and quality control of materials for the bridge including rebar and formwork installation, placement and physical testing of concrete. Assists with testing and inspection of embankment and subgrade soils, and soil cement.
- **Senior Construction Inspector.** Assigned to the Highway 601 bridge and roadway replacement over the Congaree Swamp in Calhoun/Richland County, South Carolina. As a consultant for the SCDOT, responsible for monitoring and testing fill soils for the roadway portion of the project, concrete testing for the bridges, rock column installation inspection, asphalt placement inspection, traffic control inspection, and quantity measurements.

Years of Relevant Experience: 43

Education:

GED

Registrations/Certifications:

Worksite Erosion Control
 Supervisor Certification (#16363)
 GSWCC Erosion/Sedimentation
 Course, Level 1A/1B
 GDOT Bridge Construction
 Inspector
 GDOT Concrete Field Technician
 GDOT Erosion Control Supervisor
 GDOT Traffic Control
 ACI Concrete Field Testing
 Technician
 ACI Concrete Laboratory
 Technician
 SCDOT Site Manager Program
 SCDOT Asphalt Roadway Inspector
 SCDOT Concrete Field Technician
 SCDOT Bridge Foundation
 Inspector
 SCDOT Earthwork, Drainage and
 Base Inspector
 SCDHEC Erosion Prevention and
 Sediment Control Inspector
 NCDOT Concrete Field Technician
 NCDOT Asphalt Roadway Inspector
 NCDOT Earthwork Inspector
 NCDOT Erosion Control Inspector
 NCDOT Bridge Inspector



- **Bridge and Highway Construction Inspector.** Assigned as bridge and highway construction inspector for the I-385 resurfacing project in Laurens County, SC. As a consultant for the SCDOT, responsible for field materials and workmanship quality control for bridge superstructure at the intersection of I-26 and I-385, and concrete paving construction; monitoring of contractor quality control functions; as well as other duties involved with asphalt placement, pipe installation, and quantity measurements.
- **Senior Engineering Inspector.** Performed duties as a bridge construction inspector responsible for inspection of soil embankments and subgrades, pile and drilled shaft installations, concrete inspection and testing, reinforcing steel and formwork inspection, asphalt placement inspection, traffic control, and erosion control, as a consultant for the South Carolina Department of Transportation, on a series of 22 bridges throughout the state. Completed a 3 1/2 year assignment to the Aiken Construction Engineering office of the SCDOT as a consultant inspector involved in the inspection of highway and bridge construction. Projects I was involved in included the construction of SC-302 and SC-118 roadways, rehabilitation of Interstate 20 in Aiken County and Interstate 85 in Anderson, S.C., and other bridge and highway construction projects.
- **Senior Engineering Inspector.** Performed duties as an engineering inspector in the Construction Resource Manager (CRM) program. Responsible for maintaining quality of materials and workmanship on roadway projects in South Carolina, including pile and drilled shaft installation on the J. Verne Smith Parkway in Greer, and roadway construction projects such as Highway 601 in Orangeburg, and U.S. 78/52 in Charleston. Oversaw and directed quality control activities of private laboratories during construction.
- **Engineering Inspector.** Duties included inspection and quality control of remedial grouting of an underground 36-foot diameter tunnel for a hydroelectric pumped storage generation facility for the Virginia Electric Power Co.

WILLIAM T. (TOM) DUNAWAY, P.E.
Principal Engineer

W. R. TOOLE ENGINEERS, INC.
1005 Broad Street, Suite 200, Augusta, GA 30901

Over 16-year's experience in engineering design and project management including preparation of engineering reports, concept development, hydrologic and hydraulic evaluations, municipal infrastructure design, road design, construction plan development, construction cost estimating, construction inspection, and permitting.

EDUCATION

Augusta State University, 2004 Master of Business Administration
Georgia Southern University, 1997 Bachelor's Degree in Civil Engineering Technology
Georgia NPDES Erosion & Sediment Control Short Course, January 2001

PROFESSIONAL HISTORY

Senior Project Manager, W. R. Toole Engineers, Inc.
Project Manager, W. R. Toole Engineers, Inc.
Staff Engineer, W. R. Toole Engineers, Inc.

June 2006 - Present
June 2003 - June 2006
1997 - June 2003

PROFESSIONAL REGISTRATIONS

#30395 Professional Engineer - Georgia
#26794 Professional Engineer - South Carolina
#0000017030 NPDES Level II Certified Design Professional

SELECT PROJECT EXPERIENCE

Windsor Spring Road Widening and Improvements Augusta, Georgia

Planning, Design, Construction Administration and Full-Time Inspection for road widening and improvements project. Project included widening of existing two-lane rural road sections to new multi-lane urban section with sidewalks, storm sewers, and new traffic signal at the intersection of Peach Orchard Road (SR 25). Project also included removal of short bridge and replacement with box culvert. Senior Engineer responsible for project oversight throughout construction. Provided specific construction related tasks including facilitating at weekly construction meetings, coordination of utility relocations, oversight of material testing, review of material submittals, daily full-time inspections, and report preparation to insure project was constructed in accordance with construction plans and specifications (road constructed in accordance with GDOT specifications). Approved all contractor activities to insure maintenance of traffic and frequently provided construction engineering tasks to resolve unsuitable subgrade issues and utility conflicts.

Augusta State University South Perimeter Road Augusta, Georgia

Planning, Design, Construction Administration, and Inspection for new road and stormwater management project. Project included new perimeter road along south side of campus and extensive underground stormwater detention systems to mitigate off-campus stormwater flows. Senior Engineer responsible for project oversight throughout design and construction. Provided specific construction related tasks including coordination and managing of weekly construction meetings, coordination of utility relocations, oversight of material testing, review of material submittals, periodic inspections, and report preparation to insure project was constructed in accordance with construction plans and specifications (road constructed in accordance with GDOT specifications). Approved contractor's schedules and coordinated all activities with the University to maintain safe vehicular and pedestrian access through campus during construction activity.

Ridge Crossing Drainage Improvements Phase I and II Augusta, Georgia

Planning, Design, Construction Administration and Inspection for approximately 4200-linear feet of closed pipe and open channel drainage improvements along the upper reaches of an urban stream. The project consisted of improvements for multiple storm water detention facilities and roadway culvert crossings. Erosion control and velocity dissipation were major design considerations due to the urban location and proximity of residential development to the project area. Environmental and wetland impacts were mitigated and properly permitted through the United States Army Corps of Engineers.

Belair Hills Subdivision Road and Drainage Improvements
Augusta, Georgia

Construction management and engineering design services for a 330-acre existing residential development in Richmond County, Georgia. The project area is experiencing extensive erosion and roadway overtopping due to the lack of an integrated storm sewer system. Project requirements include a hydrologic and hydraulic evaluation of the project area, design of an integrated storm sewer system, roadway development, sanitary sewer system extension and environmental permitting through the U.S. Army Corps of Engineers for wetland and stream buffer issues. Specific design activities include establishing basin hydrology and stormwater runoff parameters, storm sewer system design, coordination of utility relocations and development of Best Management Practices for water quality assurance. Construction phase services include periodic compliance inspections, pay application review, and field engineering. WRTE lead a weekly construction meeting to facilitate Owner – Contractor correspondence, address current construction issues, and review budget and schedule snapshots.

ROBERT A. BAISDEN, P.E.

Senior Transportation Engineer

W. R. TOOLE ENGINEERS, INC.

1005 Broad Street, Suite 200, Augusta, GA 30901

Over 18-years experience in civil engineering design and engineering project management. Responsibilities include transportation, traffic engineering, stormwater management, soil and erosion control planning, and environmental permitting.

EDUCATION

Georgia Institute of Technology – 1993, Bachelor of Civil Engineering
1995, Master of Science Civil Engineering

PROFESSIONAL HISTORY

Senior Project Manager, W. R. Toole Engineers, Inc.
Lead Design Engineer, W. R. Toole Engineers, Inc.

2006 - Present
1995 – 2006

PROFESSIONAL REGISTRATIONS

#23401 Professional Engineer: South Carolina
#25413 Professional Engineer: Georgia
#0000017022 NPDES Level II Certified Design Professional

SELECT PROJECT EXPERIENCE**Cotton Avenue Streetscape, Phase I & II****Millen, Georgia**

Planning, Design, Construction Administration, and Inspection for Transportation Enhancement Funded Project for downtown streetscape improvements. Project included road and parking improvements, sidewalk improvements, lighting, and stormwater improvements. Senior Engineer responsible for project oversight throughout design and construction. Provided specific construction related tasks including holding a weekly construction meeting, coordination of utility relocations, oversight of material testing, review of material submittals, periodic inspections, and report preparation to insure project was constructed in accordance with construction plans and specifications (road constructed in accordance with GDOT specifications). Approved contractors schedules and coordinated all activities with the City to maintain safe pedestrian access to the businesses along Cotton Avenue during construction.

Sylvania Downtown Streetscape, Phase I and II**Sylvania, Georgia**

Planning, Design, Construction Administration, and Inspection for Transportation Enhancement Funded Project for downtown streetscape improvements. Project included extensive road and parking improvements, sidewalk improvements, lighting, and stormwater improvements and the creation of a downtown park/greenspace. Senior Engineer responsible for project oversight throughout design and construction. Provided specific construction related tasks including holding a weekly construction meeting, coordination of utility relocations, oversight of material testing, review of material submittals, periodic inspections, and report preparation to insure project was constructed in accordance with construction plans and specifications (road constructed in accordance with GDOT specifications). Approved contractors schedules and coordinated all activities with the City to maintain safe pedestrian access to the businesses along North and South Main Street during construction.

Marks Church Road Improvements**Augusta, Georgia**

Project management and engineering design services for a road widening and improvements project. The project consisted of the widening and reconstruction of a two-lane roadway section consisting of narrow roadside shoulders and longitudinal ditches. The proposed roadway includes a three-lane road section, curb and gutter, and integrated storm sewer system. Construction plans also include design of a new bridge over Raes Creek and signal plans at the intersection of Wrightsboro Road.

RESUME

CHRISTOPHER GRIMES

Construction Inspector

W. R. TOOLE ENGINEERS, INC.

1005 Broad Street, Suite 200, Augusta, GA 30901

PROFESSIONAL SUMMARY

Christopher (Chris) Grimes has provided construction inspection services for municipal infrastructure projects since 2008. Working under the direct supervision of a Professional Engineer, Chris has gained significant construction experience through exposure to a diverse range of construction projects with varied funding sources. Chris was the lead inspector for the \$4.5-million dollar roadway widening and utility upgrade project along Windsor Spring Road for the City of Augusta. Chris worked with both the Augusta Utilities Department and Augusta Engineering Department staff to ensure contractor compliance with the plans and specifications. He is very familiar with Georgia Department of Transportation standards and specifications, including required construction practices and utility testing requirements; e.g. pressure testing of water mains, utility trench embedment details, as well as soil compaction and construction & materials testing. Chris provided inspection services for a sanitary sewer upgrade project in Midville, Georgia during 2010 that included approximately 2,000-linear feet of 8-inch diameter gravity sewer main in a developed residential area. Chris worked directly with WRTE's Project Engineer to ensure compliance and to identify solutions to unforeseen conditions throughout the project. Through his infrastructure improvement project experience with constructed environments, Chris understands the importance of project safety and strict adherence to all local, state, and federal safety regulations.

Guided by WRTE's Construction Management Program, Chris understands the importance of constant project communication and well documented project reports. During a recent ARRA Federally funded roadway and utility project in Sandersville, Georgia, Chris provided inspection services, including oversight of weekly contractor payrolls to ensure compliance with the Davis-Bacon Act. Each month Chris led a pay application and document review meeting on behalf of the City of Sandersville. Following these meetings, Chris delivered project reports through Georgia Department of Transportation's web-based reporting tool. Chris is certified in both Georgia and South Carolina to inspect soil erosion control measures. Additionally, he is fluent in Microsoft Office and AutoCad.

CERTIFICATIONS

#0000059468	NPDES Level 1A "Certified Personnel"
#3131	SC DHEC Erosion Prevention & Sediment Control Inspector
#3291-0213/ART1	SCDOT Asphalt Roadway Technician
#3291-0213/ERTH	SCDOT Earthwork, Drainage & Base Inspector
#3291-0213/NGHM	SCDOT Nuclear Gauge Hazmat Certification

SELECT PROJECT EXPERIENCE

Windsor Spring Road Widening Project

Augusta, Georgia:

Provided construction inspection services for the widening and reconstruction of a rural two-lane roadway section to a multi-lane urban roadway section including major intersection coordination in Augusta-Richmond County. All construction completed in accordance with Georgia Department of Transportation standards and specifications. Construction management services include project scheduling, multiple construction contract coordination, construction budgeting, contract administration, and established – implemented quality control testing program. Full-time construction management services maintained construction progress ahead of schedule and on budget.

Ridge Crossing Drainage Improvements Phase I and II

Columbia County, Georgia

Provided construction inspection services for approximately 4200-linear feet of closed pipe and open channel drainage improvements along the upper reaches of an urban stream including road reconstruction according to Georgia Department of Transportation standards and specifications. Construction management services included project scheduling, multiple construction contract coordination, construction budgeting, and contract administration.

**Augusta State University Northeast Perimeter Road
Augusta, Georgia**

Provided construction inspection services for campus perimeter road in northeast quadrant of campus. Project elements included new roadway and parking areas, new storm water collection/conveyance/detention systems, pedestrian corridors, lighting, and landscaping.

**East Side Sanitary Sewer Improvements
City of Midville, Georgia**

Provided periodic construction inspection services for a Community Development Block Grant for sanitary sewer improvements in the City of Midville, Georgia. Project consisted of the design of approximately 6,000 LF of 8-inch diameter gravity sanitary sewer main, sanitary sewer services and new lift station. WRTE prepared preliminary and final engineering documents, technical specifications and bid documents as well as securing permits through Georgia Department of Transportation and the Environmental Protection Division.

City of Sandersville Downtown Streetscape Extension and Kaolin Park Sidewalks, Sandersville, GA: Provided construction inspection services for ISTEAF funded streetscape improvements project in Sandersville, Georgia. Project elements include new brick and concrete sidewalks, paint stripped cross-walks, curb & gutter, new street lighting and landscaping.

Belair Hills Subdivision Road and Drainage Improvements Project, Augusta, Georgia: Provided construction inspection services for infrastructure improvements within an existing 330-acre residential development in Richmond County, Georgia. The project area experienced extensive erosion and roadway overtopping due to the lack of an integrated storm sewer system. Construction phase services included periodic compliance inspections, pay application review, and field engineering. All road construction tasks were completed in accordance with Georgia Department of Transportation standards and specifications. WRTE lead weekly construction meetings to facilitate Owner – Contractor correspondence, address current construction issues, and review budget and schedule snapshots.



Thomas Inabinett, EIT

Construction Inspector

COMPANY

OLH Inc.

EDUCATION

BS, Civil Engineering, University of South Carolina, 2008

AA, University of South Carolina Allendale, 2005

PROFESSIONAL QUALIFICATIONS

- SC Engineer in Training, No. 18446

GENERAL EXPERIENCE

Mr. Thomas Inabinett joined OLH Inc. in August 2011 to lead OLH's Construction Engineering and Inspection (CE&I) efforts in South Carolina. His past experience includes serving as the Assistant Resident Construction Engineer (RCE) on the SCDOT 13 Intersections Design-Build Design Review and Construction Engineering & Inspection (CE&I). He also has worked on numerous projects for the SCDOT and various South Carolina counties transportation committees (CTC), including pavement data collection projects for Fairfield County, Lancaster County, Chester County, and Georgetown County. While assisting these counties with their pavement programs, Mr. Inabinett assisted in compiling and reviewing project specific specifications and bid packages.

RELEVANT PROJECT EXPERIENCE

South Carolina Department of Transportation (SCDOT) - 13 Intersections Design-Build for District 1 and 7 Design Review and CE&I, Columbia, South Carolina - Mr. Inabinett is the Assistant Resident Construction Engineer (ARCE) for this \$22 million project that includes the design and build of 13 intersections located in District One (1) and in District Seven (7). Roadway improvements vary from intersection to intersection including roundabouts, the addition and lengthening of turn lanes, channelization using concrete islands, realignment or reconstruction. He performs daily CE&I inspections, oversees the CE&I management of all 13 intersections, and provides utility coordination between the design-builder and SCDOT.

Lancaster CTC Road Inventory, Lancaster County, South Carolina - Mr. Inabinett is the Assistant Project Manager assisting in managing the physical inventory of all county roads throughout Lancaster County. He developed the master database of all roadways and prepared the priority systems to assist the CTC with road selections. He attends CTC meetings to present information. He also manages the program budget to ensure project completion under budget.

CTC Road Improvement Projects; Fairfield County & Chester County, South Carolina - Mr. Inabinett assisted in compiling and reviewing project specific specifications and bid packages. He administered all project phases (advertising through final inspections), which included the completion of over 20 miles of county roadway improvements. He prepared Cost Estimates for CTC Budgeting and inventoried and prioritized roads for selection based on each client's standards. He completed Monthly Pay Applications and Reviewed Discrepancies, performed sampling and designs for Soil Cement Base Course, and completed Project completion files and managed all documentation and submittals. He was responsible for ensuring that all projects were completed to County and SCDOT specifications.

SCDOT On-Call CEI Inspections; SC 6 Widening, Lexington, South Carolina - Mr. Inabinett was a Roadway Inspector performing onsite inspections daily during all

OLH Inc. - Inabinett 1 of 2



Thomas Inabinett, EIT Construction Inspector

construction phases. He performed all daily Inspections and Testing according to SCDOT Standard Specifications. He was solely responsible for all quantities being submitted to the Resident each month. He managed Technicians to ensure all aspects were covered, attended meetings for change orders or conflicts with plans, completed and submitted CEI forms, and documented all construction form requirements.

Maple and Pine Sidewalk Improvements; Winnsboro, South Carolina - Mr. Inabinett was an Inspector overseeing SCDOT permitting, design, and review. He attended public meetings, performed Construction Administration and management, reviewed submittals, and performed Final Inspection.

PROFESSIONAL CERTIFICATIONS

- GDOT Worksite Erosion Control Supervisor
- GSWCC Level 1A
- Work Zone Safety Training and Flagging Operations
- ACI Concrete Field Technician – Grade 1
- SCDOT Portland Cement Concrete Field Technician
- SCDOT Asphalt Roadway Technician
- SCDHEC Erosion Prevention and Sediment Inspector
- SCDOT Earthwork Drainage and Base Inspector
- Nuclear Gauge Safety Training – Troxler
- OSHA 10 Hour Safety Training – Construction Safety and Health

PROFICIENCIES

- Microsoft Office Suite
- Trimble 5605 Robotic Total Station
- Trimble R8 GNSS GPS
- WaterCAD
- AutoCAD
- StormCAD



Thomas Ryan Rowland, PMP

Scheduler

COMPANY

OLH Inc.

EDUCATION

BS, Construction Management, Georgia Southern University, 2010

PROFESSIONAL QUALIFICATIONS

- Construction Manager in Training (CMIT) - CMAA
- GSWCC Level 1A Certified (Blue Card)
- Red Cross First Aid and Adult CPR
- OSHA 30 hr. Training
- Project Management Institute (PMI) - Certified Project Manager Professional (PM)

GENERAL EXPERIENCE

Mr. Rowland is a Scheduler and Project Controls Specialist on various projects for OLH Inc. including transportation (roads and bridges), airports, and other buildings. He is proficient in the use of Primavera (P6), Timberline, and Success.

RELEVANT PROJECT EXPERIENCE

South Carolina Department of Transportation (SCDOT) I-385 Widening Design Review & Construction Engineering & Inspection (CE&I) - Scheduler - This \$64.5 million project consists of the reconstruction and widening of approximately five miles of I-385 to six lanes from just south of I-185/US 276, Exit 30, to SC 146 (Woodruff Road), Exit 35, and the reconstruction of the existing pavement from SC 146 (Woodruff Road) to just north of I-85 in Greenville County, South Carolina. It is anticipated that the widening will occur in the median and include a median barrier wall. Also included is the widening or replacement of the dual bridges at Exit 30 (dual bridges over NB I-185/US 276 at milepoint 30.27) and the dual bridges at SC 417, Exit 31 (dual bridges over SC 417 at milepoint 31.09). The ramp pavement will be reconstructed as a part of the Project. For the entire project, traffic must be maintained during construction and normal Interstate lane and shoulder closure prohibitions are anticipated to be in effect. Mr. Rowland reviewed contractor submitted baseline construction CPM schedule and reviewed the monthly CPM schedule submittals for constructability issues related to the CPM schedule and compliance with the Construction contract.

Charleston County RoadWise Transportation Improvement Program - Scheduler - This program manages \$875 million in special sales tax to be used to finance transportation improvements across the county. Mr. Rowland is a Scheduler on this Program Management contract, assisting in the development and maintenance of the all of the project design schedules. These schedules are cash loaded to produce relevant Program cash flow output that is provided to the Program's financial team.

He reviews contractor submitted construction schedules for accuracy and completeness, and to ensure proper scheduling practices. To date he has performed schedule reviews for:

- **Palmetto Parkway Connector Phase 2** - This \$40.3 million design-build project extends the existing Palmetto Commerce Parkway that begins at Ladson Road (S-76) and extends for approximately 1.7 miles to a dead end. Palmetto Commerce Parkway Phase II will extend approximately four miles to Ashley Phosphate Road (S-75) with a divided four-lane road and planted median. The plans include four bridges, one of which is approximately 1000 feet, along with a constructed multi use path for bikers and pedestrians.



Thomas Ryan Rowland, PMP

Scheduler

- **Medical University of South Carolina (MUSC) Infrastructure Improvements, The Bee Street and Courtenay Drive Improvement Project** – This \$3.7 Million project will improve the vehicular movement around the Bee Street and Courtenay Drive area during peak hours and provide area drainage relief within the Bee Street area. The project includes road widening, relocation of 1200' of water main, drainage improvements, and signal upgrades.
- **SC 61 Expressway (Glenn McConnell Parkway/I-526 Intersection Improvements)** - The Glenn McConnell Parkway/I-526 Improvement project is located within the City of Charleston. The project includes widening, signal enhancements, and landscaping along Glenn McConnell Parkway from Essex Farm Road to Orleans Road.

Louisiana Department of Transportation and Development (LADOTD) I-10 Widening – Baton Rouge, Louisiana - Scheduler - This \$60 Million design-build contract is to widen I-10 in Baton Rouge to six lanes from Siegen Lane to Highland Road and to replace the existing 44-year-old bridge over the Kansas City Southern railroad with a new bridge. Work began in Spring 2010 and will finish by the end of 2012. Mr. Rowland reviewed contractor submitted baseline construction CPM schedule and reviews the monthly CPM schedule submittals for constructability issues related to the CPM schedule and compliance with the Construction contract.

Louisiana Department of Transportation and Development (LADOTD) I-49 South (US 90 Interchange at LA 85) – Baton Rouge, Louisiana - Scheduler - This \$28 Million design-build contract consists of the construction of a grade-separated diamond interchange to replace the existing US 90 intersection with LA 85 in Iberia Parish. Two parallel overpasses on US 90 will be required each approximately 1890 feet in length. A minimum amount of work is required on LA 85, an existing two lane highway with left turn lanes. The Scope of the Interchange Project also includes the reconstruction of the service roads within the limits of the new Interchange. The existing frontage roads will remain in place, but will be completely rehabilitated to accommodate traffic during and after construction. Mr. Rowland reviewed contractor submitted baseline construction CPM schedule and reviews the monthly CPM schedule submittals for constructability issues related to the CPM schedule and compliance with the Construction contract.

Myrtle Beach International Airport (MBIA) Terminal Capacity Enhancement Project - Scheduler - Mr. Rowland assisted in the development of the baseline CPM schedule for this \$129 million airport expansion and renovation project. He maintains the schedule on a monthly basis. The project will expand the current commercial terminal from 7 gates to 12 and will include new parking facilities, and new, separate car rental building, and updates to the current passenger terminal. Additionally, a new service road and an expansion of Harrelson Boulevard from US 15 to US 17 is part of the scope.

PROFICIENCIES

- Primavera (P6)
- Primavera (P3)
- Primavera Contractor
- Primavera Contract Manager
- Timberline
- Success Estimating



3. Related Construction Management and CEI Experience and References

The AMEC Environment & Infrastructure, Inc. Transportation Group has many active and completed contracts with the Georgia Department of Transportation (GDOT) to perform a wide variety of transportation services throughout the State of Georgia. These services include Roadway Design, Utility Coordination (UC), Geotechnical Engineering, Value Engineering, Subsurface Utility Engineering (SUE), Construction Engineering and Inspection (CE&I), and Roadway Testing Technician (RTT) services.

AMEC staff have provided excellent service on hundreds of projects for County Government clients including Bartow, Carroll, Catoosa, Chattooga, Cherokee, Cobb, Coweta, Dawson, DeKalb, Forsyth, Fulton, Gordon, Gwinnett, Rockdale, and Whitfield Counties. In addition, satisfied Municipal Government Clients include Alpharetta, Atlanta, Canton, Cartersville, Conyers, Doraville, Duluth, Jesup, Kennesaw, Lawrenceville, Marietta, Senoia, Snellville, Stone Mountain, Union City, Villa Rica, and Woodstock. AMEC's staff expertise allows us to excel in meeting large client demands while continuing to offer personal service to all client entities, no matter how large or small.



AMEC's Georgia headquarters houses a staff of over 400 personnel located in five offices in the Metro Atlanta area. AMEC's Georgia staff offers full-service technical personnel for the following GDOT services:

GDOT Prequalified Services

- Roadway and Highway Design
- Two/Multilane Widening and Reconstruction
- Traffic Studies and Design
- Landscape Design and Planting
- Utility Coordination
- Hydraulic and Hydrological Roadway and Bridge Studies
- Facilities for Bicycles and Pedestrians
- Value Engineering
- Land Surveying
- Engineering Surveying
- Topographic Remote Sensing
- Cartography
- Subsurface Utility Engineering
- Soil Surveys
- Geological and Geophysical Studies
- Laboratory Materials Testing
- Hazard Waste Site Assessments
- Construction Supervision
- Bridge Design

Georgia-based Transportation Team

AMEC's Atlanta Operations Transportation specialists bring firsthand insight into their industry; in fact, several of our professionals are Georgia Department of Transportation (GDOT) retirees. The result is minimal to no learning curve during project ramp-up and no disruption to client workflow. Our team knows how concept development, environmental studies, design, design review, Value Engineering (VE), Utility Coordination (UC) and Subsurface Utility Engineering (SUE), materials testing (Roadway Testing Technician [RTT]), and Construction Engineering Inspection (CEI) come together from transportation project development through construction.

Construction Engineering Inspection (CEI)

- Construction inspection
- Documentation
- On-site sampling and testing of concrete
- Asphalt testing



- Monitoring of erosion control
- Traffic control inspection

Value Engineering (VE)

- City of Monroe
- City of Sandy Springs
- Hall County
- Clayton County
- North Fulton Community Improvement District (CID)



Utility Coordination (UC) and Subsurface Utility Engineering (SUE)

- Records research
- Geophysical prospecting techniques to determine existence and horizontal positioning of underground utilities
- Non-destructive techniques to accurately pinpoint horizontal and vertical position of underground utilities
- Global Positioning System (GPS), Geographic Information System (GIS), and conventional surveying technologies to digitally map precise utility locations

Roadway Testing Technician (RTT)

- Additional RTTs ready to staff projects and support GDOT's peak needs with additional personnel pending field verification
- Application of standard GDOT procedures for Construction Materials Testing (CMT) and design of aviation, roadway, and bridge projects
- Accounting system that complies with 48 Code of Federal Regulations (CFR) 31 and has a GDOT-accepted Federal Acquisition Regulation (FAR) audit

Local Maintenance and Improvement Grant (LMIG) Assistance to Local Governments (Washington and Hancock Counties)

- Rated condition of local roads using GDOT rating methods
- Gathered information on Local Government selected roads necessary to prepare GDOT's "LMIG Project Report", which local governments submit to apply for annual LMIG funds. Information included on the form included: Project Termini, Length, Proposed Construction, Preliminary Estimate and Proposed Project Schedule
- Prepared Bid Package for Local Government's use in soliciting bids from contractors to perform the proposed work
- Performed Construction Management, Inspection, and Documentation for the let projects



Team Project Experience Table

The following table lists projects comparable in complexity, size, and function to the Augusta CM/CEI project, and demonstrates that the AMEC Team has a rich history of experience in similar projects for local and state DOTs including local communities. The following is a comprehensive list of ongoing or completed projects performed by AMEC for the past five years. A complete list can be made available on request. *References follow on page 15.*

Project Name & Location		Project Owner	Project Description	Costs	Status
AMEC Related Experience					
Georgia DOT District 2 Tennille CEI Services	Edwin Thompson, Jr. Georgia DOT (478) 552-4603	CEI services for variety of highway and bridge projects in 28 counties over a three year period. Scope includes contract administration, inspection services, measurement of quantities for payment, project recordkeeping, and materials testing.	Task Order #1 \$4.6M	Ongoing (November 2012 to December 2015)	
Georgia DOT District 6 Cartersville CEI Services	Kenny Beckworth Georgia DOT (678) 721-5278	CEI services for variety of highway, and bridge projects in 17 counties over three years. Scope includes inspection of contractors' work to ensure conformity with plans and specifications, measuring items for payment, maintaining project records, and materials testing.	\$7.4M (fee to date)	Ongoing (September 2010 to November 2013)	
Georgia DOT District 6 Cartersville CEI Services	Kenny Beckworth Georgia DOT (678) 721-5278	CEI services for variety of highway, and bridge projects in 17 counties over three years including investigating construction problems, gathering data, and recommending solutions; reviewing preliminary/final field plans; performing routine construction project inspections; tracking costs; and training.	\$10.4M (fee)	Complete (May 2007 to August 2010)	
Georgia DOT District 5 Jesup CEI Services/Sub to Moreland/Altobelli	Will Murphy Georgia DOT (912) 427-5733	CEI services for variety of highway and bridge projects in 24 counties over a three year period. Scope includes contract administration, inspection services, measurement of quantities for payment, project recordkeeping, and materials testing.	Task Order #1 \$459K	Ongoing (February 2013 to March 2016)	
Georgia DOT District 3 Thomaston CEI Services/Sub to Moreland/Altobelli	Ken Robinson Georgia DOT (706) 646-7508	CEI services for variety of highway and bridge projects in 31 counties over a three year period. Scope includes contract administration, inspection services, measurement of quantities for payment, project recordkeeping, and materials testing.	Task Order #1 \$459K	Ongoing (January 2013 to January 2016)	



Project Name & Location	Project Owner	Project Description	Costs	Status
Georgia DOT Metro Atlanta CEI/Sub to Atkins	Vinay Uchil, PE Atkins (770) 933-0280	CEI services for roadway and bridge projects in northern sector of Metro Atlanta district. Subconsultant to Atkins with inspectors assigned to two different projects within the metro district.	\$293,698 (fee)	Complete (2010)
Florida DOT District 7 Districtwide CEI Services	Karla Furney Florida DOT (813) 975-6282	CEI services for roadway projects throughout District under a five-year contract, including milling, resurfacing, and reconstruction.	\$1.5M (fee)	Ongoing (November 2008 to 2013)
Florida DOT District 6. Florida Keys CEI Residency Contract/ Sub to RS&H	Charlie Phinizy, Florida DOT (305) 481-0064	CEI services for variety of roadway and bridge projects throughout Monroe County in the Florida Keys. Projects included highway milling and resurfacing; road widening; rehabilitation of rigid pavements, bridge substructures and seawalls; and engineering to provide protection from shoulder erosion.	\$200K per year (fee)	Ongoing (January 2012 to January 2015)
Florida DOT District 6 North Roosevelt Blvd. CEI Services	Charlie Phinizy Florida DOT (305) 481-0064	CEI Services included roadway milling and resurfacing; road widening; rehabilitation of rigid pavements, sidewalk and seawalls; and engineering to provide protection from shoulder erosion.	\$3.8M (fee to date)	Ongoing (January 2012 to January 2014)
City of Key West, ARRA funded Street and Sidewalk CEI	Karen Olson Key West (305) 809-3963	CEI services included roadway milling and resurfacing; road widening; rehabilitation of rigid pavements, sidewalk and seawalls; and engineering to provide protection from erosion.	\$1M (fee)	Ongoing (2010- 2013)
Monroe County Toms Harbor Channel Bridge CEI Services	Judith Clarke Monroe County (305) 295-4329	CEI services included roadway milling and resurfacing; rehabilitation of rigid pavements, bridge superstructure inspections.	\$150K (fee)	Ongoing (February 2012 to December 2012)
Florida DOT District 4 CEI Contract	Charlie Phinizy, Florida DOT (305) 481-0064	On call task order contract for CEI services.	\$100K per year (fee)	Ongoing (2010 to 2013)



Project Name & Location	Project Owner	Project Description	Costs	Status
Tennessee DOT District 1 Widening of State Route 66 Phases I, II, and III CEI Services	Kristin Qualls, PE Tennessee DOT (865) 594-2408	Phase I and Phase II CEI services for widening of more than 6 miles from a four-lane divided highway to up to seven lanes with shoulders, curb and gutter, storm drainage, and sidewalks. Phase III includes services for widening of more than 2 miles (including widening a river bridge) from a four-lane divided highway to up to seven lanes with shoulders, curb and gutter, storm drainage, and sidewalks.	\$3.6M (fee) Ph. I \$2.5M (fee) Ph. II \$3M (fee) Ph. III	Ph. I Complete (2011) Ph. II Ongoing (Sep 2010 to Nov 2012) Ph. III Ongoing (March 2012 to October 2014)
Virginia DOT U.S. Route 460, Bristol District - Phase II CEI Services	Rob Griffith, PE Bristol District (276) 889-7600	CEI services for project to relocate, improve, and realign U.S. Route 460. Construction includes 2.8 million cubic meters of excavation, construction of 2.6 km haul road to a disposal area where most of the excavated material will be deposited, a 1.4 km four-lane, concrete barrier divided highway, signal lights, demolition of existing structures, relocation of utilities, soldier pile retaining wall, and drainage appurtenances.	\$4.07M (fee)	Ongoing (December 2008 to December 2013)
Virginia DOT Bristol District-Wide CEI Services	Rob Griffith, PE Bristol District (276) 889-7600	CEI services for various task orders for projects ranging in size and complexity. AMEC provided up to 6 inspectors, 1 construction manager, and a responsible charge engineer for this contract.	\$940K(fees)	Ongoing (February 2006 to April 2012)
W.R. Toole Engineers Related Experience				
Augusta-Richmond County Windsor Spring Road - Phases I and II	Abie Ladson, PE, CPESC Augusta Engineering Dept (706) 796-5040	Provided Construction Management and Construction Engineering Inspection services for Augusta-Richmond County. Construction management services include project scheduling, multiple construction contract coordination, construction budgeting, contract administration, and established – implemented quality control testing program. Full-time construction management services maintained progress ahead of schedule and on budget target.	\$3.2M (Construction) \$114.8K (Design)	Complete August 2011

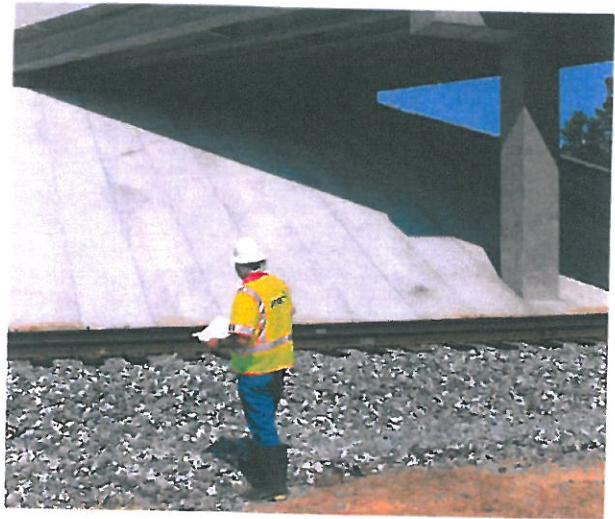


Project Name & Location	Project Owner	Project Description	Costs	Status
Columbia County Ridge Crossing Drainage Improvements – Phases I, II, and III	Jacques Palmer Columbia County Water Utility Dept. (706) 312-7245	Provided construction management and construction engineering inspection services for Augusta-Richmond County. Construction management services include project scheduling, multiple construction contract coordination, construction budgeting, contract administration, and established – implemented quality control testing program. Full-time construction management services maintained progress ahead of schedule and on budget target.	\$3.4M (Construction) \$205.9K (Design)	Complete March 2013
OLH Related Experience				
Georgia DOT District 2 Tennille CEI Services	Heather Bartlett Parsons Brinckerhoff (404) 661-1779	Served as a subconsultant to provide to support for services that included contract administration, inspection, and materials sampling and testing for the construction projects assigned.	\$156M (budget total)	Complete (January 2008 to November 2012)
South Carolina DOT Districts 1 and 7 Design/Build Review and CEI Services	Bryan Jones SCDOT (803) 737-6660	Project includes the design and build of 13 intersections located in District One (1) and in District Seven (7). Roadway improvements vary from intersection to intersection, including roundabouts, the addition and lengthening of turn lanes, channelization using concrete islands, realignment, or reconstruction. Services being performed include construction engineering and inspection, construction management, construction engineering, assurance and acceptance inspection, sampling, testing, and construction survey verifications to determine compliance with the contract requirements and the design-builder's plans and specifications.	\$21M (budget total)	Ongoing (April 2011 to Present)



References

- **Jimmy Smith**, District Engineer
Georgia Department of Transportation
801 Fourth Street
Tennille, GA 31089
Phone: (478) 552-4600
- **Edwin Thompson, Jr.**, District Construction Engineer
Georgia Department of Transportation
801 Fourth Street
Tennille, GA 31089
Phone: (478) 552-4603
- **Christopher Tomlinson**, Executive Director
State Road & Tollway Authority
47 Trinity Avenue, 4th Floor
Atlanta, GA 30334
Phone: (404) 893-6111
(Reference for Mike Thomas, PE)
- **Keith Golden, PE**, Commissioner
Georgia Department of Transportation
600 West Peachtree Street, NW
Atlanta, GA 30308
Phone: (404) 631-1005
(Reference for Mike Thomas, PE)
- **Marc Mastronardi, PE, CPESC, CPSWQ, CISEC**, State Construction Engineer
Georgia Department of Transportation
600 West Peachtree Street, NW
Atlanta, GA 30308
Phone: (404) 631-1970
(Reference for Mike Thomas, PE)





4. Proximity to Area

During his career with GDOT, Gus Cooper has worked in and around Augusta and Richmond County for many years. This knowledge of the local transportation system will help him in navigating and reacting quickly to any location in Augusta when needed. This knowledge of the area will also greatly benefit Gus in making project-specific management decisions, such as those involving contractor activities in highly congested areas, and working near environmentally sensitive areas.

Similarly, Mike Thomas has an extensive knowledge of the Augusta/Richmond County area, which he gained during his many years of serving in districtwide roles in District Two, and particularly, as he met with local officials to discuss transportation issues and concerns, while he was District Engineer.

Ability to Gather Resources in Project Vicinity

We have included inspector level resumes to demonstrate our ability to staff these positions. When individual task orders are assigned, and the nature of the particular construction projects have been identified, the appropriate number of inspectors, with the right skills, will be submitted for your approval. AMEC has been very successful in recruiting additional staff as needed for our current GDOT CEI contracts in the Tennille, Cartersville, Thomaston, and Jesup districts. We have never failed to offer additional inspectors in the past and our Team will be prepared to address these needs as they arise on the Augusta contract.

Our Georgia-based management team for this contract consists of GDOT retirees who know and understand the qualifications required for the different inspector positions. This familiarity will be a valuable tool when recruiting and assessing inspectors to staff the construction projects. Mike, Gus, and Charles have developed an extensive network of contacts during their lengthy careers in the transportation industry. As inspectors are needed for this contract, we will draw upon these relationships, and upon resumes we already have in hand, to supply qualified CEI inspectors for the task orders in the contract.

We are committed to recruiting the best inspectors available. Having worked for GDOT Construction, Mike, Gus and Charles realize the importance of selecting personnel who can do the job and have the desire to grow within the construction inspection field. **The AMEC Team commits to ALWAYS provide the Augusta Engineering Department with the RIGHT SIZE TEAM with the RIGHT QUALIFICATIONS at the RIGHT TIME.**

Non-Discrimination & Equal Opportunity Policies

The employment policy of AMEC is to provide *Equal Opportunity* to all persons. Our company, therefore, has made a commitment to equal employment opportunity through a positive and continuing *Affirmative Action Program*. No employee or applicant for employment will be discriminated against because of race, color, religion, sex, national origin, age, otherwise qualified disabled or veteran status.

To implement these policies, AMEC will continue to:

- A. Recruit, hire, train and promote all persons in all job classifications without regard to race, color, religion, sex, national origin, age, otherwise qualified disabled or veteran status. AMEC does not discriminate based on national origin or citizenship status as provided under the Immigration Reform and Control Act of 1986;
- B. Base decisions on employment to further the principle of equal employment opportunity;
- C. Ensure that promotion decisions are in accord with the principles of equal employment opportunity by imposing only valid requirements for promotional opportunities; and
- D. Ensure that all personnel actions (including but not limited to compensation, benefits, transfers, layoffs, return from layoffs, company-sponsored training, education, tuition assistance, social and recreational programs) are administered without regard to race, color, religion, sex, national origin, age, otherwise qualified disabled or veteran status.



Summary

☑ **Stability and Resources** We are rock solid. AMEC has been in business for over 60 years. We have the financial resources and stability to fully support this project.

☑ **Experience and Qualifications** We are thoroughly experienced in, and familiar with, highway construction. This is proven by our list of current and past construction engineering and inspection projects. We are currently performing this work in four of the seven GDOT districts throughout the State. We are highly trusted by GDOT to administer their construction projects.

☑ **Strong Management Team** Our management team for this project is led by two GDOT retirees, Mike Thomas and Gus Cooper, both of whom are top professionals in the highway construction industry.

☑ **Familiarity with Area** We are intimately familiar with the Augusta/Richmond County area. In fact, we are presently managing GDOT construction projects in Augusta. Both Mike Thomas and Gus Cooper have spent a large part of their careers at GDOT in this area.

☑ **No Learning Curve** For the AMEC Team, there is no learning curve on this project. The Augusta staff will be confident in the working relationship that will exist from our first day on the job.

For all these reasons, we believe that the AMEC Team is uniquely qualified to support Augusta's staff by providing these construction management, inspection and field engineering services. We look forward to discussing this opportunity with you.





5. Appendix

Contents:

- Attachment B (3 pages, notarized)
- SAVE Program Affidavit (notarized)
- Georgia Professional Licenses
- GDOT Notice of Professional Consultant Qualification Certificate

Augusta, GA Engineering Department

FEE PROPOSAL

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005



October 1, 2013

Sent via FedEx Overnight/Faxed (706) 821.2811

Ms. Geri Sams, Director
City of Augusta-Procurement Department
530 Green Street-Room 605
Augusta, Georgia 30901

RE: Best and Final RFP Item #13-184 On-Call Construction Management, Construction Inspection & Field Engineering Services for Augusta, Georgia – Engineering Department

Dear Ms. Sams:

In response to your letter dated 9/25/13 for a best and final offer we have enclosed the rates requested. Should you have any questions, please do not hesitate to contact me directly at (478) 733-4739 or (770) 421-3409.

Sincerely,
AMEC Environment and Infrastructure, Inc.

A handwritten signature in black ink, appearing to read "Michael L. Thomas", written over a horizontal line.

Michael L. Thomas, P.E.(on behalf of Gus Cooper)
Principal-In-Charge

RFP #13-184
On-Call Construction Management, Construction Inspection &
Field Engineering Services
For Augusta, Georgia - Engineering Department
Best and Final Fee Proposal

	Job CLASSIFICATION	Hourly Rate*
1	Project Manager /Construction Manager	\$117.95/hr
2	Construction Engineer	\$94.61/hr
3	Project Engineer, P.E.	\$94.16/hr
4	Staff Engineer	\$67.63/hr
5	Engineering Inspector	\$60.72/hr
6	Senior Engineering Inspector	\$73.61/hr
7	Survey Crew - (two man crew including PLS)	\$190/hr
8	Administrative Assistant	\$55/hr

* Hourly rate should include direct expense cost (such as vehicle, phone, per diem, lodging, etc).
There will be no separate pay item for these and other incidental items.

Vendor name:: AMEC Environment & Infrastructure, Inc.

Address: 1075 Big Shanty Rd., NW, Suite 100

City/State/Zip: Kennesaw, GA 30144 Date: October 1, 2013

Authorized Officer (Print): Thomas M. Bucci, Vice President

Authorized Officers Signature: Thomas M Bucci

Augusta, GA Engineering Department

ADDENDUMS

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005



Procurement Department

Mrs. Geri Sams, Director

MAILED

TO:

All Bidders
Phyllis Johnson, Quality Assurance Analyst
Abie Ladson, Augusta Engineering Department

FROM:

Geri Sams *Geris*
Procurement Director

DATE:

August 22, 2013

SUBJ:

Responses to Vendor's Questions

RFP ITEM:

**RFP #13-184 On-Call Construction Management, Construction
Inspection & Field Engineering Services for Engineering
Department**

RFP DATE:

Friday, August 30, 2013 @ 11:00 a.m.

ADDENDUM NO. 1

This Addendum shall form a part of the referenced RFP Item: 13-184, and any agreement entered into in connection therewith equally as if bound into the original document. Acknowledge receipt of this addendum on the Attachment B form.

Responses to Vendor's Questions

1. Will Augusta provide furnished construction office/trailer(s) for our staff to work from?

Response 1: NO

2. Question: Or is the City expecting us to provide the offices that our staff works from?

Response 2: Firm is responsible for arranging local office space for assigned staff.

3. Question: Does Augusta expect the Construction Manager to provide onsite construction trailers or is working from one local office acceptable.

Response 3: It is ok to work from local office.

4. Question: Will Augusta provide construction material testing or will the construction contractor pay for independent labs?

Response 4: Not Applicable – Material Testing will be handled separately.

5. Question: Does Augusta want the Construction Manager to provide fees for construction material testing?

Response 5: NO

Please acknowledge addendum in your submittal

END ADDENDUM

Room 605 - 530 Greene Street, Augusta Georgia 30901
(706) 821-2422 - Fax (706) 821-2811

www.augustaga.gov

Register at www.demandstar.com/supplier for automatic bid notification



Scan this QR code with your
smartphone or camera equipped
tablet to visit the Augusta, Georgia

Page 1 of 1

Addendum #1 RFP Item #13-184

Augusta, GA Engineering Department

AGREEMENT

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005

**CONSULTANT SERVICES AGREEMENT
ON CALL CONSTRUCTION MANAGEMENT, CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

BETWEEN

AUGUSTA, GA ENGINEERING DEPARTMENT

AND

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

This Agreement is made and entered into this _____ day of _____, 2014 by and between Augusta, Georgia, hereinafter called the "**CITY**" and **AMEC ENVIRONMENT & INFRASTRUCTURE, INC.**, a Corporation authorized to do business in Georgia, hereinafter called the "**CONSULTANT**."

Whereas, the **CITY** desires to engage a qualified and experienced consulting firm to furnish professional services:

**On Call Construction Management, Construction Inspection
and Field Engineering Professional Services**

Whereas, the **CONSULTANT** has represented to the **CITY** that it is experienced and qualified to provide the services contained herein and the **CITY** has relied upon such representation.

Now, therefore, in consideration of the mutual promises and covenant herein contained, it is agreed by and between the **CITY** and the **CONSULTANT** that the **CONSULTANT** shall provide the design services of the Project (*see Scope of Services.*)

AMOUNT OF CONTRACT

It is agreed that the compensation hereinafter specified to perform the services (see Scope of Services) required by this Agreement includes both direct and indirect costs chargeable to the project.

Augusta Engineering Department

The maximum obligation* of the City to the Consultant under the terms of this Agreement shall be:

\$200,000.00

** Final Contract amount may vary depending on addition to initial scope of work and funds availability, upon execution of supplemental Agreement.*

IN WITNESS WHEREOF, said parties have hereunto set their seals the day and year written below.

Executed on behalf of CONSULTANT

RECOMMEND FOR APPROVAL:

AUGUSTA, GEORGIA

Thomas M. Bucci
Representative

Deke Copenhaver
Honorable Deke Copenhaver, Mayor

AGM
3/27/14

Approved: Date: 3/20/2014
[ATTACHED CORPORATE SEAL]

Approved: Date: 3/31/14
[ATTACHED CORPORATE SEAL]

ATTEST:

[Signature]

Title: Asst. Corp. Secretary

ATTEST:

Nancy W. Merauski

Title: Dep. Clerk of Commission

Augusta, GA Engineering Department

GENERAL CONDITIONS

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005

**ON CALL CONSTRUCTION MANAGEMENT, CONSTRUCTION INSPECTION,
AND FIELD ENGINEERING SERVICES
PROJECT NUMBER: 328-041110-211828005**

GENERAL CONDITIONS

ACCURACY OF WORK

The CONSULTANT shall be responsible for the accuracy of the work and shall promptly correct its errors and omissions without additional compensation.

Acceptance of the work by the CITY will not relieve the CONSULTANT of the responsibility for subsequent correction of any errors and the clarification of any ambiguities.

At any time during the construction of the improvement provided for by the plans or during any phase of work performed by others based on data secured by the CONSULTANT under the Agreement, the CONSULTANT shall confer with the CITY for the purpose of interpreting the information obtained and to correct any errors or omissions made by it. The CONSULTANT shall prepare any plans or data required by the CITY to correct its errors or omissions. The above consultation, clarification, or correction shall be made without added compensation to the CONSULTANT. The CONSULTANT shall give immediate attention to these changes so there will be a minimum of delay to others.

ASSIGNABILITY

The CONSULTANT shall not assign or transfer whether by an assignment or novation, any of its rights, obligations, benefits, liabilities or other interest under this Agreement without the written consent of the CITY.

AUDITS AND INSPECTORS

At any time during normal business hours and as often as the CITY may deem necessary, the CONSULTANT shall make available to the CITY and/or audit representatives of the CITY for examination all of its records with respect to all matters covered by this Agreement. It shall also permit the CITY and/or representative of the audit, examine and make copies, excerpts or transcripts from such records of personnel, conditions employment and other data relating to all matters covered by this Agreement.

The CONSULTANT shall maintain all books, documents, papers, accounting records and other evidence pertaining to costs incurred on the Project and used in support of its proposal and shall make such material available at all reasonable time during the period of the Agreement, and for three years from the date of final payment under the Agreement, for inspection by the

CITY or any reviewing agencies, and copies thereof shall be furnished upon request at cost plus 10%. The CONSULTANT agrees that the provisions of this Article shall be included in any Agreements it may make with any subcontractor, assignee, or transferee.

COMPENSATION

The CITY shall compensate the CONSULTANT for services which have been authorized by the CITY under the terms of this Agreement.

The CONSULTANT may submit to the CITY a monthly invoice, in a form acceptable to the CITY and accompanied by all support documentation requested by the CITY, for payment for the services which were completed during the billing period. The CITY shall review said invoices for approval. The CITY shall have the right to reject payment of any invoice or part thereof if not properly supported, or if the costs requested or a part thereof, as determined solely by the CITY, are unreasonably in excess of the actual stage of completion of each phase. The CITY shall pay each such invoice or portion thereof as approved, provided that the approval or payment of any such invoice shall not be considered to be evidence of performance by the CONSULTANT to the point indicated by such invoice, or of receipt of acceptance by the CITY of the services covered by such invoice. The CITY shall pay any undisputed items contained in such invoices.

Each invoice shall be accompanied by a letter progress report describing the total work accomplished for each phase and any problems which have been encountered which may inhibit execution of the work. The CONSULTANT shall also submit an accurate updated schedule, and an itemized description of the percentage of total work completed for each phase during the billing period.

Compensation for design services for the Augusta Engineering Department shall be a lump sum for each phase or item of work authorized by the CITY. The CONSULTANT shall invoice based on the percentage of the work completed during the billing period. Upon completion by the CONSULTANT of each phase of the work and approval thereof by the CITY, the CITY will pay the CONSULTANT a sum equal to one hundred percent (100%) of the compensation set forth herein, less the total of all previous partial payments, paid or in the process of payment except as otherwise stated below for Water and Sewer design services.

CONFIDENTIALITY

The CONSULTANT agrees that its conclusions and any reports are for the confidential information of the CITY and that it will not disclose its conclusions in whole or in part to any person whatsoever, other than to submit its written documentation to the CITY, and will only discuss the same with it or its authorized representatives. Upon completion of this agreement term, all documents, reports, maps, data and studies prepared by the CONSULTANT pursuant thereto shall become the property of the CITY and be delivered to the Director of Engineering.

Articles, papers, bulletins, reports, or other materials reporting the plans, progress, analyses, or results and findings of the work conducted under this agreement shall not be presented publicly or published without prior written approval in writing by the CITY.

It is further agreed that if any information concerning the project, its conduct, results, or data gathered or processed should be released by the CONSULTANT without prior approval from the CITY, the release of same shall constitute grounds for termination of this agreement without indemnity to the CONSULTANT, but should any such information be released by the CITY or by the CONSULTANT with such prior written approval, the same shall be regarded as public information and no longer subject to the restrictions of this agreement.

CONSTRUCTION MANAGER

The Construction Manager or his duly appointed representative(s) shall act as the Liaison Engineer between the CONSULTANT and the CITY and all utilities, and authorities or governments whose properties will be affected. The CONSULTANT shall arrange for conferences, for exchanges of data and information, and for necessary approvals.

All correspondence, data, information, and reports shall be directed to the Construction Manager to provide for proper distribution to the parties concerned.

All conferences, including telephone conversations and decisions, shall be reduced to writing by the CONSULTANT and at least two (2) copies shall be forwarded to the Construction Manager within seven (7) calendar days of the event.

The CONSULTANT shall meet with the CITY for review of the work or submit in writing a project status update on a monthly basis or as determined by the CITY.

The Construction Manager will expedite any necessary decisions affecting the performance of the CONSULTANT's Agreement, but the CONSULTANT shall not make use of the Construction Manager's services on trivial or minor matters normally to be decided by the CONSULTANT.

If the project includes work for Augusta Utilities, an AU Liaison Engineer will act in the same capacity as the AED Construction Manager does for the roadway design work. Both the AU Liaison Engineer and the AED Construction Manager shall be copied on all correspondence including documented phone conversations and minutes of meetings. The CONSULTANT shall coordinate directly with the AU Liaison Engineer on matters directly related to water and sewer work.

CONSULTANT COORDINATION

The CONSULTANT shall cooperate fully with the Georgia Department of Transportation, Federal Highway Administration, CONSULTANTs on adjacent projects, CONSULTANTs for final bridge plans, municipalities and local government officials, utility companies, railroads, and others, as

may be directed by the CITY. Such cooperation shall include attendance at meetings, discussions, and hearings, as may be requested by the CITY, furnishing plans and other data produced in the course of work on the Project, as may be requested from time to time by the CITY to effect such cooperation and compliance with all directives issued by the CITY in accordance with this agreement.

It is understood and agreed that the Georgia Department of Transportation and Federal Highway Administration may have access to the work and be furnished information as directed by the CITY.

CONTRACT DISPUTES

This Agreement shall be deemed to have been executed in Augusta, Georgia, and all questions of interpretation and construction shall be governed by the Laws of the State of Georgia.

All claims, disputes and other matters in question between the Owner and the CONSULTANT arising out of or relating to the Agreement, or the breach thereof, shall be decided in the Superior Court of Richmond County, Georgia. The CONSULTANT, by executing this Agreement, specifically consents to venue in Augusta and waives any right to contest the venue in the Superior Court of Richmond County, Georgia.

CONTRACT TERMINATION

Pursuant to O.C.G.A. 36-60-13, this Agreement shall terminate absolutely and without further obligation on the part of the CITY at the close of the calendar year in which this Agreement is executed and at the close of each succeeding calendar year for which the agreement may be renewed by the parties hereto.

This Agreement shall nevertheless automatically be renewed unless the CITY provides written notice to the CONSULTANT of its intention to terminate the Agreement at least thirty days prior to the close of the calendar year for which the Agreement is presently effective between the parties and/or has been renewed by the CITY. This Agreement shall obligate the CITY solely for those sums payable during the initial term of execution or in the event of renewal by the CITY for those sums payable in such individual renewal terms.

Notwithstanding the foregoing language, the CONSULTANT agrees to continuously render the professional services specified by the Agreement to the CITY for such terms or renewal terms as are effective pursuant to this Agreement and for which the CITY agrees to pay in accordance with the terms of the Agreement or any future amendments thereto.

The CITY may terminate this contract in part or in whole upon written notice to the CONSULTANT. The CONSULTANT shall be paid for any validated services under this Contract up to the time of termination.

COORDINATION WITH THE NATIONAL GEODETIC SURVEY

If a National Geodetic Survey control point is found during the surveying phase, it is to be identified and brought to the attention of the Construction Manager. If it is to be affected based on the proposed design, at the direction of the Construction Manager, the CONSULTANT shall contact the National Geodetic Survey (NGS) advisor at the Georgia Department of Community Affairs (DCA) and request data on geodetic control points during the preliminary evaluation phase of project design. (Address: NGS c/o DCA, 1200 Equitable Building; Atlanta, Georgia 30303. Telephone: 404-656-5527, FAX: 404-656-9792. CONSULTANT shall provide the NGS Advisor with a clear copy of the pertinent USGS 7.5' Quad sheet(s) showing the project location.

Preliminary information, even in rough outline, is sufficient to allow the advisor to determine impact of the proposed project on NGS and USGS control points. Continued coordination with the advisor to relocate and/or preserve affected control points will be maintained throughout the project life. This coordination shall be implemented as soon as possible after receipt of Notice to Proceed by the CITY.

COORDINATION WITH UTILITIES

Where privately, publicly or cooperatively owned utility companies will require rearrangements in connection with the proposed construction, the CONSULTANT shall furnish prints or reproducible for the utility owners as directed by the CITY and check the utilities' submitted plans for avoidance of conflicts with the road construction details or with the facilities of other utilities. This may require numerous submittals to the utility companies. The CONSULTANT shall also submit a final set of construction plans to all utilities. The CONSULTANT shall make no commitments with the utilities which are binding upon the CITY.

If the project includes work for the Augusta Utilities (AUD), the CONSULTANT shall research all Augusta Utilities records and act on behalf of the AUD to identify the existing facilities on the submitted roadway plans for avoidance, or resolution, of conflicts with the road construction details or with the existing or proposed facilities of other utilities.

COVENANT AGAINST CONTINGENT FEES

The CONSULTANT shall comply with the relevant requirements of all Federal, State, County, or local laws. The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT, to solicit or secure this Agreement, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gifts, or any consideration, contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the CITY shall have the right to annul this Agreement without liability, or, at its discretion, to deduct from the Agreement price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

DELIVERY OF NOTICES

All written notices, demands, and other papers or documents to be delivered to the CITY under this Agreement shall be delivered to the CITY's Engineering Department office, 505 Telfair Road, Augusta, Georgia 30901, Attention: Construction Manager, or at such other place or places as may be subsequently designated by written notice to the CONSULTANT. All written notices, demands, and other papers or documents to be delivered to the CONSULTANT under this Agreement shall be directed to or at such a place or places subsequently to be designated in writing by the CONSULTANT to the CITY.

DRUG FREE WORK PLACE

CONSULTANT shall be responsible for insuring that its employees shall not be involved in any manner with the unlawful manufacture, distribution, dispensation, possession, sale or use of a controlled substance in the workplace. For purposes of the policy, "workplace" is defined as CITY owned or leased property, vehicles, and project or client site. Any violation of the prohibitions may result in discipline and/or immediate discharge.

CONSULTANT shall notify the appropriate federal agencies of an employee who has a criminal drug statute conviction for workplace violations.

CONSULTANT may require drug or alcohol testing of employees when contractually or legally obligated, or when good business practices would dictate.

EMPLOYMENT OF COUNTY'S PERSONNEL

The CITY has incurred considerable expense for advertising, recruiting, evaluating, training and retaining its employees. As such, CONSULTANT hereby agrees that it will not directly or indirectly, solicit or hire any employee of the CITY, or induce any employee to terminate his employment with the CITY during the terms of this agreement, nor for a period of one year following the end of said term. CONSULTANT may not hire, employ, or allow a CITY employee to provide services without the prior consent of the CITY, except as provided herein.

INSURANCE

The Consultant shall, all time that this agreement is in effect, cause to be maintained in force and effect an insurance policy(s) that ensure and indemnify the City against liability or financial loss resulting from injuries occurring to persons or property or occurring as a result of any negligent error, etc, or omission of the Consultant in performance of the work during the term of this Agreement.

The Consultant shall provide, at all times that this agreement is in effect, Worker's Compensation insurance in accordance with the laws of the State of Georgia.

The Consultant shall provide, all times that this Agreement is in effect, Insurance with limits of not less than:

- A. Workmen's Compensation Insurance in accordance with the laws of the State of Georgia.
- B. Public Liability Insurance in an amount of not less than One Million (\$1,000,000.00) Dollars for injuries, including those resulting in death to any one person, and in an amount of not less than One Million (\$1,000,000.00) Dollars on account of any one occurrence.
- C. Property Damage Insurance in an amount of not less than One Million (\$1,000,000.00) Dollars from damages on account of any occurrence, with an aggregate limit of One Million (\$1,000,000.00) Dollars.
- D. Valuable Papers Insurance in an amount sufficient to assure the restoration of any plans, drawings, field notes, or other similar data relating to the work covered by the Project.
- E. Professional Liability Insurance in an amount of not less than One Million (\$1,000,000) Dollars or an amount that correlates to the aggregate fee on the project should it exceed \$1,000,000.

City will be named as an additional insured with respect to Consultant's liabilities hereunder in insurance coverage's identified in item (b) and (c).

The policies shall be written by a responsible company(s), to be approved by the City, and shall be no cancellable except on thirty (30) days' written notice to the City. Such policy shall name the City as co-insured, except for worker's compensation and professional liability policies, and a copy of such policy or a certificate of insurance shall be filed with the City at the time of the execution of this agreement.

PERSONNEL

The CONSULTANT represents that it has secured or will secure, at its own expense, all personnel necessary to complete this agreement, none of whom shall be employees of, or have any contractual relationship with, the CITY. Primary liaison with the CITY will be through its designee. If the project includes AU work, the CONSULTANT shall identify, in writing, a water/sewer project manager responsible for direction and coordination of this portion of the project. All of the services required hereunder will be performed by the CONSULTANT under his supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under law to perform such services.

All professional personnel, including subcontractors, engaged in performing services for the CONSULTANT under this agreement shall be indicated in a personnel listing attached hereto as Exhibit "A" and incorporated herein by reference. No changes or substitutions shall be permitted in the CONSULTANT's key personnel as set forth herein without the prior written approval of the Director or his designee.

The CONSULTANT shall employ in responsible charge of supervision and design of the work only persons duly registered in the appropriate category; and further shall employ only qualified surveyors in responsible charge of any survey work.

The CONSULTANT shall endorse all reports, contract plans, and survey data. Such endorsements shall be made by a person duly registered in the appropriate category by the Georgia State Board of Registration for Professional Engineers and Land Surveyors, being in the full employ of the CONSULTANT and responsible for the work prescribed by this agreement.

RESPONSIBILITY FOR CLAIMS AND LIABILITY

The CONSULTANT shall be responsible for any and all damages to properties or persons caused by its employees, subcontractors, or agents, and shall hold harmless the CITY, its officers, agents, and employees from all suits, claims, actions, or damages of any nature whatsoever to the extent found to be resulting from the CONSULTANT, its subcontractors, or its agents in the performance or non-performance of work under this Agreement. These indemnities shall not be limited by reason of the listing of any insurance coverage.

REVIEW OF WORK

Authorized representatives of the CITY may at all reasonable times review and inspect the project activities and data collected under the Agreement and amendments thereto. All reports, drawings, studies, specifications, estimates, maps and computations prepared by or for the CONSULTANT, shall be available to authorized representatives of the CITY for inspection and review at all reasonable times in the main offices of the CITY. Acceptance shall not relieve the CONSULTANT of its professional obligation to correct, at its expense, any of its errors in work. The Engineering Department may request at any time and the CONSULTANT shall produce progress prints or copies of any work as performed under this Agreement. Refusal by the CONSULTANT to submit progress reports and/or plans shall be cause to withhold payment to the CONSULTANT until the CONSULTANT complies with the CITY's request in this regard. The CITY's review recommendations shall be incorporated into the plans by the CONSULTANT.

RIGHT TO ENTER

The CONSULTANT shall notify all property owners or occupants of the intent to enter properties for the purpose of accomplishing surveys or other field investigations in accordance with the practices of the CITY. The CONSULTANT shall discuss with and receive approval from the Augusta Engineering Department prior to sending said notices of intent to enter private property. Upon request by the CONSULTANT, the CITY will provide the necessary documents identifying the CONSULTANT as being in the employ of the CITY for the purpose described in the Agreement. If the property owner or occupant denies the CONSULTANT permission to enter, such incident will be reported to the CITY and the CITY will initiate such action as is dictated by current policy and procedure.

SUBCONTRACTING

The CONSULTANT shall not subcontract any part of the work covered by this Agreement or permit subcontracted work to be further subcontracted without the CITY's prior written approval of the subcontractor. The CITY will not approve any subcontractor for work covered by this Agreement that has not been recommended for approval the Construction Manager.

All subcontracts in the amount \$5,000 or more shall include, where possible, the provisions set forth in this Agreement.

SUPERVISION AND CONTROL

The CONSULTANT shall perform the services required to accomplish the work plan as stated above under such control and supervision by the CITY, as the CITY may deem appropriate.

Augusta, GA Engineering Department

SPECIAL PROVISIONS

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005

**ON CALL CONSTRUCTION MANAGEMENT, CONSTRUCTION INSPECTION,
AND FIELD ENGINEERING SERVICES
PROJECT NUMBER: 328-041110-211828005**

SPECIAL PROVISIONS

(Projects Funded 100% with Special District Transportation Sales and Use Tax Proceeds Collected Pursuant to the Transportation Investment Act (TIA) of 2010)

1. **CONTRACT TERMINATION:** To terminate this contract without further obligation of the City to the extent that the obligations exceed the availability of such the Special District Transportation Sale and Use Tax proceeds for the project as designated by the City or the City may determine in its sole discretion that a suspension period should be instituted as set forth in specification "Temporary Suspension of Work". The City's certification as to the availability of the Special District Transportation Sale and Use Tax proceeds as designated by the City shall be conclusive.
2. **PAYMENTS TO CONTRACTOR:** Any payments shall be made to the Contractor after receipt of such transportation sales and use tax proceeds from GSFIC /GDOT by the City. The parties agree that the provisions of the Georgia Prompt Pay Act, O.C.G.A. § 13-11-1 *et seq.*, do not control and that the Consultant/Contractor waives any and all rights it may have under said Act.
3. **SPECS PROVISIONS:** All provisions of this Specification shall be incorporated by and into any subcontracts entered into by the Contractor with its subcontractors.
4. **DBE, SMALL BUSINESS AND VETERAN OWNED BUSINESS:** On May 17, 2012, the GDOT, acting by and through its Board, passed a resolution in which it: (1) reaffirmed its commitment to Title VI of the 1964 Civil Rights Act of nondiscrimination in the delivery and management of Transportation Investment Act funded projects; and (2) encouraged the use of Disadvantaged Business Enterprises (DBE) (including minority and woman owned businesses), small businesses, and veteran owned businesses in any project that is funded in whole or in part by Transportation Investment Act funds, and encouraged wherever practical and feasible, the local government or governments that manage Transportation Investment Act funded projects to include the same in its delivery and management of a project.

Reference to this resolution shall be included in all subcontracts entered in by the Contractor related to this Project.

While there is no DBE, small businesses or veteran owned businesses goal required, the Contractor is required to provide the following information monthly to the GDOT regarding whether it utilized any DBE (as defined in forth in 49 CFR Part 26), small business (as defined in 13, CRR Part 121) or veteran owned, along with the following information:

- 1) The names and addresses of DBE firms, small businesses or veteran owned businesses committed to participate in the Contract;
- 2) A description of the work each DBE firm, small business or veteran owned business will perform; and
- 3) The dollar amount of the participation of each DBE firm, small business or veteran owned business participating.

All provisions of this Specification shall be incorporated by and into any subcontracts entered into by the Contractor with its subcontractors.

5. **TEMPORARY SUSPENSION OF WORK:** The City has the authority to suspend The Work wholly or in part, for as long as the City may deem necessary, because of unsuitable weather, lack of special district transportation sales and use tax proceeds remitted to the City by GSFIC/GDOT and designated by the City for the Project, or other conditions considered unfavorable for continuing The Work, or for as long as he may deem necessary by reason of failure of the Contractor to carry out orders given, or to comply with any provisions of the Contract. No additional compensation will be paid the Consultant/Contractor because of suspension except as specifically set forth below. The Work shall be resumed when conditions are favorable or when corrective measures satisfactory to the City have been applied; when, and as ordered by the City in writing. The Consultant shall not stop The Work without authority.

If The Work is stopped by the lack of special district transportation sales and use tax proceeds remitted to the City by GSFIC/GDOT and designated by the City for the Project or any temporary or permanent injunction, court restraining order, process or judgment of any kind, directed to either of the parties hereto, then such period or delay will not be charged against the Contract Time nor shall the City be liable to the Consultant/Contractor on account of such delay or termination of work.

6. **SUSPENSION PERIOD FOR LACK OF SPECIAL DISTRICT TRANSPORTATION SALES AND USE TAX PROCEEDS:** If The Work is stopped and suspension period instituted by the City in writing as a result of the lack of special district transportation sales and use tax proceeds remitted to the City by GSFIC/GDOT and designated by the City for the Project, such suspension shall last for a maximum of ninety (90) days.

This Contract does not obligate the City to make any payment to the Consultant/Contractor for said Extra Work from any funds other than from available special district transportation sales and use tax proceeds as designated by the Department for the Project.

After this ninety (90) day period, if special district transportation sales and use tax proceeds as designated by the City for the Project are available or anticipated to be available as determined in the sole discretion of the City, the Consultant/Contractor will be directed by the

City to either (1) continue The Work under the Contract or (2) agree to a new suspension period as determined by the City.

After this ninety (90) day period, if special district transportation sales and use tax proceeds as designated by the Department for the Project are not available or anticipated to be not available as determined in the sole discretion of the City, this Contract shall be terminated upon notification by the City to the Consultant/Contractor.

To the extent practically possible, the City will provide written notification to the Consultant/Contractor that The Work is going to be stopped either permanently or during a suspension period as the result of the lack of special district transportation sales and use tax proceeds three (3) months prior to the date of The Work stoppage.

The City's certification as to the availability of the special district transportation sales and use tax proceeds as designated by the City for the Project shall be conclusive.

The contract time will be extended to reflect the length of the suspension period and any resulting delays. No damages for delay or consequential damages will be recoverable as a result of any suspension period.

Augusta, GA Engineering Department

ADDITIONAL PROVISIONS

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005

**ON CALL CONSTRUCTION MANAGEMENT, CONSTRUCTION INSPECTION,
AND FIELD ENGINEERING SERVICES
PROJECT NUMBER: 328-041110-211828005**

ADDITIONAL PROVISIONS

1. **SUSPENSION OF THE WORK, TERMINATION AND DELAY:** To the extent that it does not alter the scope of this agreement, Augusta, GA reserves the right of unilaterally ordering, without any cause, a temporary stopping of the work, or delay of the work to be performed by the Consultant under this agreement. Augusta, GA will not be held liable for compensation to the Consultant for an extension of contract time or increase in contract price, or both, directly attributable to this action of Augusta, GA.
2. **HOLD HARMLESS:** Except as otherwise provided in this agreement, the consultant shall indemnify and hold harmless Augusta, GA, and its employees and agents from and against all liabilities, claims, suits, demands, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from the performance of its Work.
3. **CONTINGENT FEES:** The consultant is prohibited from directly or indirectly advocating in exchange for compensation that is contingent in any way upon the approval of this contract or the passage, modification, or defeat of any legislative action on the part of the Augusta, Georgia Commission the consultant shall not hire anyone to actively advocate in exchange for compensation that is contingent in any way upon the passage, modification, or defeat of any contract or any legislation that is to go before the Augusta, Georgia Commission.
4. **GEORGIA PROMPT PAY ACT :** Not applicable. The terms of this agreement supersede any and all provisions of the Georgia Prompt Pay Act.
5. **CONTRACTUAL OBLIGATIONS:** The consultant acknowledges that this contract and any changes to it by amendment, modification, change order or other similar document may have required or may require the legislative authorization of the Board of Commissioners and approval of the Mayor. Under Georgia law, the consultant is deemed to possess knowledge concerning Augusta, Georgia's ability to assume contractual obligations and the consequences of the consultant provision of goods or services to Augusta, Georgia under an unauthorized contract, amendment, modification, change order or other similar document, including the possibility that the consultant may be precluded from recovering payment for such unauthorized goods or services. Accordingly, the consultant agrees that if it provides goods or services to Augusta, Georgia under a contract that has not received proper legislative authorization or if the contractor provides goods or services to Augusta, Georgia in excess of the any contractually authorized goods or services, as required by Augusta, Georgia's Charter and Code, Augusta, Georgia may withhold payment for any unauthorized goods or services

provided by the consultant. The consultant assumes all risk of non-payment for the provision of any unauthorized goods or services to Augusta, Georgia, and it waives all claims to payment or to other remedies for the provision of any unauthorized goods or services to Augusta, Georgia, however characterized, including, without limitation, all remedies at law or equity." This acknowledgement shall be a mandatory provision in all Augusta, Georgia contracts for goods and services, except revenue producing contracts.

6. **LOCAL SMALL BUSINESS:** In accordance with Chapter 10B of the AUGUSTA, GA. CODE, the consultant expressly agrees to collect and maintain all records necessary to for Augusta, Georgia to evaluate the effectiveness of its Local Small Business Opportunity Program and to make such records available to Augusta, Georgia. The requirements of the Local Small Business Opportunity Program can be found at www.augustaga.gov. In accordance with AUGUSTA GA CODE § 1-10-129(d) (7), for all contracts where a local small business goal has been established, the consultant is required to provide local small business utilization reports. Contractor shall report to Augusta, Georgia the total dollars paid to each local small business on each contract, and shall provide such payment affidavits, regarding payment to subcontractors as may be requested by Augusta, Georgia. Such documents shall be in the format specified by the Director of Minority and Small Business Opportunities, and shall be submitted at such times as required by Augusta, Georgia. Failure to provide such reports within the time period specified by Augusta, Georgia shall entitle Augusta, Georgia to exercise any of the remedies set forth, including but not limited to, withholding payment from the consultant.

Augusta, GA Engineering Department

ATTACHMENT B

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005



Attachment B

You Must Complete and Return all 3 pages of Attachment B with Your Submittal. Document Must Be Notarized.

Augusta, Georgia Augusta Procurement Department

ATTN: Procurement Director

530 Greene Street, Suite 605

Augusta, Georgia 30901

Name of Bidder: AMEC Environment & Infrastructure, Inc.

Street Address: 1075 Big Shanty Road, NW, Suite 100

City, State, Zip Code: Kennesaw, Georgia 30144

Phone: (770) 421.3400 Fax: (770) 421.3486 Email: Michael.L.Thomas@amec.com

Do You Have A Business License? Yes: X No:

Business License # for your Company (Must Provide): Georgia #PEF000213 / Cobb County #4355

Company must be licensed in the Governmental entity for where they do the majority of their business. If your Governmental entity (State or Local) does not require a business license, your company will be required to obtain a Richmond County business license if awarded a Bid/RFP/RFQ. For further information contact the License and Inspection Department @ 706 312-5182.

List the State, City & County that issued your license: State of Georgia / Cobb County, Georgia

Acknowledgement of Addenda: (#1) X; (#2) ; (#3) ; (#4) ; (#5) ; (#6) ; (#7) ; (#8) ;
NOTE: CHECK APPROPRIATE BOX(ES)- ADD ADDITIONAL NUMBERS AS APPLICABLE

Statement of Non-Discrimination

The undersigned understands that it is the policy of Augusta, Georgia to promote full and equal business opportunity for all persons doing business with Augusta, Georgia. The undersigned covenants that we have not discriminated, on the basis of race, religion, gender, national origin or ethnicity, with regard to prime contracting, subcontracting or partnering opportunities.

The undersigned covenants and agrees to make good faith efforts to ensure maximum practicable participation of local small businesses on the bid or contract awarded by Augusta, Georgia. The undersigned further covenants that we have completed truthfully and fully the required forms regarding good faith efforts and local small business subcontractor/supplier utilization.

The undersigned further covenants and agrees not to engage in discriminatory conduct of any type against local small businesses, in conformity with Augusta, Georgia's Local Small Business Opportunity Program. Set forth below is the signature of an officer of the bidding/contracting entity with the authority to bind the entity.

The undersigned acknowledge and warrant that this Company has been made aware of understands and agrees to take affirmative action to provide such companies with the maximum practicable opportunities to do business with this Company;

That this promise of non-discrimination as made and set forth herein shall be continuing in nature and shall remain in full force and effect without interruption;

That the promises of non-discrimination as made and set forth herein shall be and are hereby deemed to be made as part of and incorporated by reference into any contract or portion thereof which this Company may hereafter obtain and;

That the failure of this Company to satisfactorily discharge any of the promises of nondiscrimination as made and set forth herein shall constitute a material breach of contract entitling Augusta, Georgia to declare the contract in default and to exercise any and all applicable rights remedies including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and or forfeiture of compensation due and owing on a contract.

Non-Collusion of Prime Bidder/Offeror

By submission of a bid, the vendor certifies, under penalty of perjury, that to the best of its knowledge and belief:

(a) The prices in the proposal have been arrived at independently without collusion, consultation, communications, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other vendor or with any competitor.

(b) Unless otherwise required by law, the prices which have been quoted in the proposal have not been knowingly disclosed by the vendor prior to opening, directly or indirectly, to any other vendor or to any competitor.

(c) No attempt has been made, or will be made, by the vendor to induce any other person, partnership or corporation to submit or not to submit a proposal for the purpose of restricting competition. Collusions and fraud in bid preparation shall be reported to the State of Georgia Attorney General and the United States Justice Department.

Conflict of Interest

By submission of a bid, the responding firm certifies, under penalty of perjury, that to the best of its knowledge and belief:

1. No circumstances exist which cause a Conflict of Interest in performing the services required by this ITB, and

2. That no employee of the County, nor any member thereof, nor any public agency or official affected by this ITB, has any pecuniary interest in the business of the responding firm or his sub-consultant(s) has any interest that would conflict in any manner or degree with the performance related to this ITB.

By submission of a bid, the vendor certifies under penalty of perjury, that to the best of its knowledge and belief:

(a) The prices in the bid have been arrived at independently without collusion, consultation, communications, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other vendor or with any competitor.

(b) Unless otherwise required by law, the prices which have been quoted in the bid have not knowingly been disclosed by the vendor prior to opening, directly or indirectly, to any other vendor or competitor.

(c) No attempt has been made, or will be made, by the vendor to induce any other person, partnership or cooperation to submit or not to submit a bid for the purpose of restricting competition. For any breach or violation of this provision, the County shall have the right to terminate any related contract or agreement without liability and at its discretion to deduct from the price, or otherwise recover, the full amount of such fee, commission, percentage, gift, payment or consideration.

You Must Complete and Return all 3 pages of Attachment B with Your Submittal. Document Must Be Notarized.

Attachment B - Page 3 of 3

Contractor Affidavit and Agreement

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. 13-10-91, stating affirmatively that the individual, firm, or corporation which is contracting with Augusta, Georgia Board of Commissioners has registered with and is participating in a federal work authorization program* [any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or any equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603], in accordance with the applicability provisions and deadlines established in O.C.G.A 13-10-91. The undersigned further agrees that, should it employ or contract with any subcontractor(s) in connection with the physical performance of services pursuant to this contract with Augusta, Georgia Board of Commissioners, contractor will secure from such subcontractor(s) similar verification of compliance with O.C.G.A 13-10-91 on the Subcontractor Affidavit provided in Rule 300-10-01-.08 or a substantially similar form. Contractor further agrees to maintain records of such compliance and provide a copy of each such verification to the Augusta, Georgia Board of Commissioners at the time the subcontractor(s) is retained to perform such service.

Georgia Law requires your company to have an E-Verify* User Identification Number (Company I.D.) on or after July 1, 2009.

For additional information or to enroll your company, visit the **State of Georgia** website:

<https://e-verify.uscis.gov/enroll/> and/or http://www.dol.state.ga.us/pdf/rules/300_10_1.pdf

****E-Verify * User Identification Number (Company I.D.) # 44372** Date Issued: 05/18/07

NOTE: E-VERIFY USER IDENTIFICATION NUMBER (COMPANY I.D.) MUST BE PROVIDED: IN ADDITION, THE RECOMMENDED AWARDED VENDOR WILL BE REQUIRED TO PROVIDE A COPY OF HOMELAND SECURITY'S MEMORANDUM OF UNDERSTANDING (MOU)

The undersigned further agrees to submit a notarized copy of Attachment B and any required documentation noted as part of the Augusta, Georgia Board of Commissions specifications which govern this process. In addition, the undersigned agrees to submit all required forms for any subcontractor(s) as requested and or required. I further understand that my submittal will be deemed non-compliant if any part of this process is violated.

AMEC Environment & Infrastructure, Inc.

Company Name

X Thomas M. Bucci

BY: Authorized Officer or Agent
(Contractor Signature)

Vice President

Title of Authorized Officer or Agent of Contractor

Thomas M. Bucci

Printed Name of Authorized Officer or Agent



SUBSCRIBED AND SWORN BEFORE ME ON THIS THE 22nd DAY OF August, 2013

Michele Jamros
Notary Public

My Commission Expires: July 12, 2017

NOTARY SEAL

You Must Complete and Return all 3 pages of Attachment B with Your Submittal. Document Must Be Notarized.

REV. 6/27/2011



You Must Complete and Return with Your Submittal. Document Must Be Notarized

Systematic Alien Verification for Entitlements (SAVE) Program

Affidavit Verifying Status for Augusta, Georgia Benefit Application By executing this affidavit under oath, as an applicant for an Augusta, Georgia Business License or Occupation Tax Certificate, Alcohol License, Taxi Permit, Contract or other public benefit as reference in O.C.G.A. Section 50-36-1, I am stating the following with respect to my bid for an Augusta, Georgia contract for #13-184 On-Call Construction Mgmt., Construction Inspection & Field
[Bid/RFP/RFQ Project Number and Project Name] Engineering Services

Thomas M. Bucci, Vice President

[Print/Type: Name of natural person applying on behalf of individual, business, corporation, partnership, or other private entity]

AMEC Environment & Infrastructure, Inc. - Corporation

[Print/Type: Name of business, corporation, partnership, or other private entity]

1.) X I am a citizen of the United States.

OR

2.) I am a legal permanent resident 18 years of age or older.

OR

3.) I am an otherwise qualified alien (8 § USC 1641) or nonimmigrant under the Federal Immigration and Nationality Act (8 USC 1101 et seq.) 18 years of age or older and lawfully present in the United States.*

In making the above representation under oath, I understand that any person who knowingly and willfully makes a false, fictitious, or fraudulent statement or representation in an affidavit shall be guilty of a violation of Code Section 16-10-20 of the Official Code of Georgia.



X Thomas M Bucci

Signature of Applicant

Thomas M. Bucci, Vice President

Printed Name

* Alien Registration Number for Non-Citizens

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE 27th DAY OF August, 2013

Michele Jamros
Notary Public

My Commission Expires: July 12, 2017

NOTARY SEAL

Note: THIS FORM MUST BE RETURNED WITH YOUR SUBMITTAL

REV. 9/25/2012

STATE OF GEORGIA
BRIAN P. KEMP, Secretary of State
 State Board of Registration for Engineers & Land Surveyors
 Engineer Firm
 LICENSE NO. PEF000213
 Amec Environment & Infrastructure, Inc.
 Suite 300
 1105 Lakewood Pkwy
 Alpharetta GA 30009
 EXP DATE - 06/30/2014
 Active

2378387

Congratulations on your Georgia Professional Registration, issued 07/01/1992. Licenses are renewed every two years, expiring on the last day of the even-numbered years. See Board Rule 180-11 for Continuing Education requirements. See Board Rule 180-06-.03 for Areas of Competency. If your company does not have a Certificate of Authorization, please find that form on our website. Board Rules and Laws, a facsimile of the Board design of the seal (see also below), as well as other valuable information regarding licensure in Georgia may be found on our website. Please keep this office notified of address changes. Please find the address change form on our website. It may be submitted by mail, e-mail or fax. Thank you for choosing Georgia for your professional registration.

Effective, July 1, 2002, there is a charge for the decorative wall certificate that is suitable for framing. If you would like to order one, please submit a separate cashier's check or money order made payable to the Professional Licensing Boards Division. The order form for the wall certificate can be found on the Board's web-site.

Please find below a facsimile of the seal. The seal authorized by the Board for registrants may be of the crimp type and/or rubber stamp facsimile or may be computer generated. The seal design is to be circular in form, the diameter of the outer circle being 1-1/2 inches, and the diameter of the inner circle being one inch. The registration seal design will be furnished each registrant as part of the licensure process.

Office Hours: 8:00 AM – 5:00 PM, Monday – Friday
 Phone: 478/207-2440 Fax: 478/207-1410
 Website: www.sos.state.ga.us/plb/pels
 E-mail: pels@sos.state.ga.us



Amec Environment & Infrastructure, Inc.
 Suite 300
 1105 Lakewood Pkwy
 Alpharetta GA 30009

STATE OF GEORGIA
BRIAN P. KEMP, Secretary of State
 State Board of Registration for Engineers & Land Surveyors
 Engineer Firm
 LICENSE NO. PEF000213
 Amec Environment & Infrastructure, Inc.
 Suite 300
 1105 Lakewood Pkwy
 Alpharetta GA 30009
 EXP DATE - 06/30/2014
 Active

GDOT
Notice of Professional Consultant Qualification
Certificate

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
NOTICE OF PROFESSIONAL CONSULTANT QUALIFICATION
 You are qualified to provide Consulting Services to the Department of Transportation for the
 area-classes of work checked below. Notice of qualification is not a notice of selection.

NAME AND ADDRESS

AMEC Environment & Infrastructure, Inc.
 3200 Town Point Drive, NW
 Suite 100
 Kennesaw, GA 30144

ISSUE DATE

11/10/12

DATE OF EXPIRATION

10/31/15

SIGNATURE

Russell R McMurtry

1. Transportation Planning

- ☐ 1.01 State Wide Systems Planning
- ☐ 1.02 Urban Area and Regional Transportation Planning
- ☐ 1.03 Aviation Systems Planning
- ☐ 1.04 Mass and Rapid Transportation Planning
- ☒ 1.05 Alternate System and Corridor Location Planning
- ☐ 1.06 Unknown
- ☒ 1.06a NEPA Documentation
- ☐ 1.06b History
- ☒ 1.06c Air Studies
- ☒ 1.06d Noise Studies
- ☒ 1.06e Ecology
- ☐ 1.06f Archaeology
- ☐ 1.06g Freshwater Aquatic Surveys
- ☒ 1.07 Attitude, Opinion and Community Value Studies
- ☒ 1.08 Airport Master Planning
- ☒ 1.09 Location Studies
- ☐ 1.10 Traffic Studies
- ☐ 1.11 Traffic and Toll Revenue Studies
- ☐ 1.12 Major Investment Studies
- ☐ 1.13 Non-Motorized Transportation Planning

2. Mass Transit Operations

- ☐ 2.01 Mass Transit Program (Systems) Management
- ☐ 2.02 Mass Transit Feasibility and Technical Studies
- ☐ 2.03 Mass Transit Vehicle and Propulsion System
- ☐ 2.04 Mass Transit Controls, Communications and Information Systems
- ☐ 2.05 Mass Transit Architectural Engineering
- ☐ 2.06 Mass Transit Unique Structures
- ☐ 2.07 Mass Transit Electrical and Mechanical Systems
- ☐ 2.08 Mass Transit Operations Management and Support Services
- ☒ 2.09 Aviation
- ☐ 2.10 Mass Transit Program (Systems) Marketing

3. Highway Design Roadway

- ☒ 3.01 Two-Lane or Multi-Lane Rural Generally Free Access Highway Design
- ☒ 3.02 Two-Lane or Multi-Lane with Curb and Gutter Generally Free Access Highways Design Including Storm Sewers
- ☒ 3.03 Two-Lane or Multi-Lane Widening and Reconstruction, with Curb and Gutter and Storm Sewers in Heavily Developed Commercial, Industrial and Residential Urban Areas
- ☒ 3.04 Multi-Lane, Limited Access Expressway Type Highway Design
- ☒ 3.05 Design of Urban Expressway and Interstate
- ☒ 3.06 Traffic Operations Studies
- ☒ 3.07 Traffic Operations Design
- ☒ 3.08 Landscape Architecture

3. Highway Design Roadway (Continued)

- ☐ 3.09 Traffic Control Systems Analysis, Design and Implementation
- ☒ 3.10 Utility Coordination
- ☐ 3.11 Architecture
- ☒ 3.12 Hydraulic and Hydrological Studies (Roadway)
- ☒ 3.13 Facilities for Bicycles and Pedestrians
- ☒ 3.14 Historic Rehabilitation
- ☐ 3.15 Highway Lighting
- ☒ 3.16 Value Engineering
- ☐ 3.17 Design of Toll Facilities Infrastructure

4. Highway Structures

- ☒ 4.01 Minor Bridges Design
- ☐ 4.02 Major Bridges Design
- ☐ 4.03 Movable Span Bridges Design
- ☒ 4.04 Hydraulic and Hydrological Studies (Bridges)
- ☐ 4.05 Bridge Inspection

5. Topography

- ☒ 5.01 Land Surveying
- ☒ 5.02 Engineering Surveying
- ☐ 5.03 Geodetic Surveying
- ☐ 5.04 Aerial Photography
- ☐ 5.05 Aerial Photogrammetry
- ☒ 5.06 Topographic Remote Sensing
- ☒ 5.07 Cartography
- ☒ 5.08 Subsurface Utility Engineering

6. Soils, Foundation & Materials Testing

- ☒ 6.01a Soil Surveys
- ☒ 6.01b Geological and Geophysical Studies
- ☒ 6.02 Bridge Foundation Studies
- ☒ 6.03 Hydraulic and Hydrological Studies (Soils and Foundation)
- ☒ 6.04a Laboratory Materials Testing
- ☒ 6.04b Field Testing of Roadway Construction Materials
- ☒ 6.05 Hazard Waste Site Assessment Studies

8. Construction

- ☒ 8.01 Construction Supervision

9. Erosion and Sedimentation Control

- ☒ 9.01 Erosion, Sedimentation, and Pollution Control and Comprehensive Monitoring Program
- ☐ 9.02 Rainfall and Runoff Reporting
- ☒ 9.03 Field Inspections for Compliance of Erosion and Sedimentation Control Devices Installations

Augusta, GA Engineering Department

APPENDIX A

**CONSULTANT SERVICES AGREEMENT
ON-CALL CONSTRUCTION MANAGEMENT,
CONSTRUCTION INSPECTION AND
FIELD ENGINEERING PROFESSIONAL SERVICES**

PROJECT NUMBER: 328-041110-211828005

**ON CALL CONSTRUCTION MANAGEMENT, CONSTRUCTION
INSPECTION AND FIELD ENGINEERING PROFESSIONAL SERVICES
PROJECT NUMBER: 328-041110-211828005**

APPENDIX A

STANDARD SPECIFICATIONS

CRITERIA:

The Consultant shall become familiar with the latest, as determined by the AED, the American Association of State Highway and Transportation Officials' Design Manuals for Arterial Streets, Rural, Urban, and Interstate Highways, including those standards adopted by the AASHTO and approved by the Secretary of Commerce, as provided by Title 23, United States Code, Section 109 (b), with the City's and Georgia D.O.T. Standards, Procedures, Plans, Specifications and Methods, with Federal Highway Administration procedures relating to plan review and approval, and shall produce plans in accordance therewith.

DESIGN & DOCUMENT DEVELOPMENT:

The following publication shall be used as the basis for the engineering design and professional services contained herein; Georgia Department of Transportation Standard Manuals and Specifications for the Construction of Road and Bridges, current editions, and supplements thereto; American Association of State Highway and Transportation Officials (AASHTO) Manuals for Arterial Streets, Rural, Urban, and Interstate Highways, Manual on Uniform Traffic Control Design (MUTCD), Augusta Development Documents, the Augusta Utilities Design Standards and Construction Specifications, State and Federal guidance documents, Industry current standards for similar services.

The Consultant shall gather from the City all available data and information pertinent to the performance of the services for the Project. The City shall have the final decision as to what data and information is pertinent.

The Consultant shall ensure that the data and information meet applicable standards as specified herein.

The Consultant shall report in writing any discovery of errors or omissions contained in the data and information furnished by the City.

The Consultant shall visit and become familiar with project area and shall become acquainted with local conditions involved in carrying out this agreement. The Consultant may request that a representative of the City be present during the site visit.

The Consultant shall recommend and secure the City's written approval of, the manner of project plans and documents preparation and presentation and the methods to be used in the plans/documents

preparation so that these plans/documents can be utilized as determined by the Consultant and approved by the City, in the orderly preparation of the detailed construction contract plans, specifications, and contracts. Upon receipt of the City's written approval of the manner of the project plans and documents preparation & presentation, The Consultant shall proceed with implementation of plans/documents preparation.

DESIGN SPECIFICATIONS:

Design for bridges and other structures shall be in accordance with the American Association of State Highway and Transportation Officials', hereinafter referred to as "AASHTO," Design Specifications of 1992; AASHTO Standard Specifications for Horizontal Curved Highway Bridges; AASHTO Standard Specifications for Structure Supports for Highway Signs, Luminaires and Traffic Signals, current edition; and AASHTO Guide for Selecting, Locating and Designing Traffic Barriers, current edition.

Traffic engineering shall be performed in accordance with procedures outlined in the Highway Capacity Manual, Current Edition.

The lighting design shall be in accordance with the AASHTO publication, An Informational Guide for Roadway Lighting current edition, and the Standard Specifications for Road and Bridge Construction, 1983 edition, as modified by Supplemental Specifications and Special Provisions, current editions.

On facilities where driveways are included, the Consultant shall become familiar with the Georgia D.O.T. regulations and procedures and shall produce plans for upgrading driveway control.

CONSTRUCTION SPECIFICATIONS:

The plans shall be in accordance with the Georgia D.O.T.'s Standard Specifications for Construction of Roads and Bridges, as amended. The Consultant shall have access to the Georgia Standard Construction and Materials Specifications for use throughout the Project.

PLAN SIZES:

All plans for roadways, bridges, and walls may be Civil 3D or compatible generated drawings on paper having outside dimensions of 24" by 36" with 1-1/2" margin on the left and 1/2" margin elsewhere. All plans shall be of reproducible quality.

CONSTRUCTION PLAN REQUIREMENTS:

Detailed requirements for the construction plans shall meet the criteria set forth in the Augusta Public Works and Engineering Department Plan Preparation Guidelines.

The plans shall be fully dimensioned; all elevations necessary for construction shall be shown similar to the GDOT's normal practice. They shall include a fully dimensioned geometric layout to permit staking

in the field without additional computation by the survey party. Utility locations and methods of attachment shall be shown. Utilities to be carried on bridges will be established by the AED.

In steel construction, the sizes and overall dimensions of members, their exact locations, the number and arrangement of fasteners, fastener spacing, welds and other details necessary in preparation of shop detail drawing shall be shown. In concrete construction, the location of all reinforcement shall be shown and the plans shall include complete schedules of straight and bent bars with bending details. The Consultant shall check all details and dimensions shown on the plans before they are submitted to the AED for review.

Roadway plan sheets shall have the existing topography on the back of the sheet to permit manual revisions to the front of the drawing, using a screening process producing 85 lines per inch with 50% light. Existing topography may be plotted in ink if this gives a screening effect acceptable to the AED.

Topography shall remain fully legible when plans are reduced in size, but shall be less prominent and readily distinguishable from proposed work.

Profile sheets shall have the existing ground line plotted in ink on the sheet.

Utility plan sheets may be the same material as the roadway plans.

COMPUTATIONS:

All design computations and computer printouts shall be neatly recorded on 8-1/2" by 11" sheets, fully titled, numbered, dated, signed by the designer and checker and indexed. Two copies of these computations, and the computer input and output, fully checked and appropriately bound, shall be submitted to the AED with the plans for approval.

A complete tabulation of the drainage analysis along with the calculations used to determine the size of drainage structures shall be submitted to the AED with the construction plans for approval.

DELIVERABLE:

The tracings, data and all other documents prepared under this agreement shall then be submitted to the AED, AED or AUD, whose property they shall remain, without limitation as to their future use. All tracing cloth, mylar paper, and other materials required for the preparation of the plans, supplemental specifications, special provisions and computation shall be furnished by the Consultant.

The Consultant shall submit to the AED, editable electronic copy of all computer files (ACAD, Microsoft version, or other software used in creating data, data file, technical documents, etc.) depicting graphics, database, documentation, details and design for the implementation of stormwater utility, drainage improvements, and road design data, created as a result of this agreement. The Consultant shall include appropriate level schedules, documentation, and assistance to the AED to read, interpret,

and effectively utilize the computer files. The Consultant may be required to provide project drawings and files at any time as requested by the AED. The drawings and files (hard or electronic) requested by the AED shall be within the Scope of Work as defined herein. Graphics files shall be provided in AutoCAD, DXF, or Intergraph (IGDS) format. If the project includes AU work, the Consultant shall provide drawings in accordance with the utilities chapter of the AED Plan Preparation Guidelines.

NUMBER OF COPIES OF SUPPORTING DATA REQUIRED:

Data collected for this project will be property of Augusta Engineering Department. In additions to required hard copies submittals, selected Firm(s) or Team(s) will be required to provide Augusta Engineering Department one electronic (editable) copy of all documents and studies, supporting raw data, environmental data and analysis, geotechnical data and analysis, hydrology and hydraulic studies, design plans, construction plans and constriction standards and specifications. Electronic copies shall be submitted in respective software and compatible with Software used by Augusta Engineering Department. Except as otherwise provided herein; the Consultant shall submit all documents, reports, special provisions, sketches, design notes, and all other required or necessary support data to the AED in duplicate.

PROGRESS REPORT AND SCHEDULE:

The Consultant shall report to the AED on suitable forms approved by the AED the status of work and schedule on the 25th day of each month during the life of the Agreement.

PROFESSIONAL ENGINEER APPROVAL:

All construction plans and documents designed, detailed, and furnished by the Consultant for the AED shall bear a valid Professional Engineer Stamp. All plans submitted to the AED for review shall have been checked by the Consultant prior to submission.

ECONOMICAL DESIGN:

The Consultant shall make every effort to provide the most economical design. The Consultant shall consider construction problems and sequencing in the design. The Consultant shall meet and discuss economic considerations and construction staging with the AED prior to final design.